Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

63.93

INDEXED

Bottomley.

MANN'S

GARDEN GUIDE

for 1934

LIBRARY
REC'D
★ FEB
U. S. Depar

EVERYTHING *for* GARDEN *and* FARM

VEGETABLE
SEED TRIALS
HORTICULTURE

New Stone.

Burpee's Stringless.

P. Mann & Company

INCORPORATED

316 9th Street, N. W., Washington, D. C.

One-Half Block off Pennsylvania Avenue

MANN'S GARDEN GUIDE

Sixty-Fifth Annual Edition
Sent FREE to All Who Desire a Copy

1934 Greetings to Our Host of Friends and Customers

AFTER sixty-five years of satisfactory service, it gives us great pleasure to present our 1934 Catalogue and to take this opportunity to acknowledge with thanks past favors and a continuance of your future patronage.

We are with President Roosevelt one hundred per cent in the effort he is making to pull us out of the depression and we trust that the coming season will find plenty of activity in the tilling of the soil, which, after all, is the initial step back to prosperity.

We will, as we have done in the past, supply Seeds and Garden Tools that you can depend on to produce and make the very best crops.

Wishing you a very happy and prosperous New Year, we remain,

Very truly yours,

P. MANN & CO., Inc.
316 Ninth Street, N. W.
WASHINGTON, D. C.
Telephone NAtional 1121.

We Deliver FREE

to any Post Office all vegetable seeds mentioned in this catalogue, if in packets, ounces, quarter or half pounds. Purchasers must pay charges on pounds, pints, quarts, pecks or bushels, and on all agricultural tools and fertilizers.

P. Mann & Co. gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of seeds, bulbs or plants they sell, and will not be responsible for the crop.

When Ordering

please state whether you want goods shipped by mail, express or freight. When this is omitted, we use our best judgment. Remittances may be made by sending Post Office Order, Express Money Order, Registered Letter or Draft. For small amounts, postage stamps are acceptable.

THE PLANTER'S TIME TABLE

THERE IS SOMETHING TO PLANT EVERY MONTH IN THE YEAR.

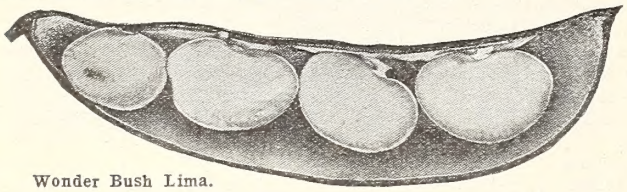
Variety	When to Plant	Quantity For 100 Feet.	Quantity For an Acre.	Distance Between Rows.	Distance Apart in the Row.	Depth to Plant.	Pounds to the Bushel.
IN THE GARDEN							
ASPARAGUS ROOTS	Spring and Fall.	50 to 65 roots.	5,000 to 7,000.	4 to 6 feet.	18 to 24 ins.	4 inches.	
BEANS, DWARF SNAP	April to Aug. 15.	1½ lbs.	75 lbs.	2 to 3 feet.	3 inches.	2 inches.	60 lbs.
" POLE	May and June.	1 lb.	30 lbs.	4 feet.	3 to 4 feet.	2 inches.	60 lbs.
" DWARF LIMA	May, June, July.	1 to 1½ lbs.	30 to 60 lbs.	3 feet.	15 to 18 ins.	1½ inches.	60 lbs.
BEET, GARDEN	March to August.	2 ozs.	6 to 8 lbs.	15 to 18 ins.	4 inches.	1 inch.	
" STOCK	April, May, June.	2 ozs.	6 to 8 lbs.	2 to 2½ feet.	8 inches.	1 inch.	
BRUSSELS SPROUTS	March to July.	1 oz.	¼ lb.	2½ to 3 feet.	18 inches.	½ inch.	
CABBAGE, EARLY	Jan. to June., Sept., Oct.	1 oz.	6 to 8 ozs.	2½ to 3 feet.	18 inches.	½ inch.	
" LATE	April to July.	1 oz.	6 to 8 ozs.	3 feet.	2 feet.	½ inch.	
CARROT	March to August.	1 oz.	3 to 4 lbs.	12 to 24 ins.	3 to 4 ins.	½ inch.	
CELERY	Feb., Mar. and April.	½ oz.	3 lbs.	2 to 4 feet.	6 to 8 ins.	⅛ inch.	
COLLARDS	March to August.	1 oz.	½ lb.	2½ to 3 feet.	2 feet.	½ inch.	
CORN, GARDEN	April to early August.	Lb., 100 hills.	10 to 12 lbs.	3 feet.	12 to 18 ins.	1 to 2 ins.	
CUCUMBER	April to July.	Oz., 50 hills.	2 lbs.	4 feet.	4 feet.	1 inch.	
EGG PLANT	Feb., Mar., April.	½ oz.	6 ozs.	3 feet.	3 feet.	¼ inch.	
ENDIVE	March to Sept.	½ oz.	1 lb.	18 inches.	1 foot.	¼ inch.	
KALE, SPRING	Feb. to Apr., Aug. to Oct.	2 oz.	8 lbs.	18 to 24 ins.	6 inches.	½ inch.	
" WINTER	Feb., Mar., Aug. to Oct.	1 to 2 ozs.	4 to 7 lbs.	18 inches.	6 inches.	½ inch.	
KOHL RABI	March to May, Aug., Sept.	1 oz.	1 lb.	18 inches.	5 to 6 inches.	½ inch.	
LETTUCE	Feb. to May, July to Oct.	1 oz.	2 lbs.	18 inches.	8 to 12 ins.	¼ inch.	
LEEK	Feb., March, Sept.	1 oz.	5 to 6 lbs.	18 ins.	4 to 6 ins.	½ inch.	
MUSTARD	Feb., Mar., Apr., Sept., Oct.	1 oz.	5 to 6 lbs.	12 to 18 ins.	3 to 4 ins.	½ inch.	
MELON, MUSK or CANTALOUPE	May and June.	Oz., 50 hills.	2 lbs.	4 to 6 feet.	4 to 6 feet.	¾ to 1 inch.	
MELON, WATER	May and June.	Oz., 30 hills.	3 lbs.	8 to 10 feet.	8 to 10 feet.	1 inch.	
OKRA	April, May, June.	3 ozs.	8 to 10 lbs.	3 feet.	1 foot.	1 inch.	
ONION	Feb. to April—Aug., Sept.	1 oz.	5 to 6 lbs.	12 to 18 ins.	3 to 4 ins.	½ inch.	
PARSLEY	Feb., Mar.—Aug., Sept.	1 oz.	4 to 5 lbs.	12 to 18 ins.	2 to 3 ins.	½ inch.	
PARSNIP	March to July.	4 ozs.	5 lbs.	18 inches.	4 to 6 ins.	½ inch.	
PEAS, GARDEN	Feb. to May—Aug.	2 lbs.	90 lbs.	2½ to 3 feet.	3 to 4 ins.	2 to 3 ins.	56 to 60 lbs.
PEPPER	Feb. to July.	Oz., 1200 plts.	½ to ¾ lb.	2 to 3 feet.	18 inches.	¼ inch.	
POTATOES, EARLY	March, April.	½ peck.	10 to 12 bus.	3 feet.	15 inches.	4 inches.	60 lbs.
" LATE	June, July.	½ peck.	10 to 12 bus.	3 feet.	15 inches.	4 inches.	60 lbs.
PUMPKIN	May and June.	Oz., 20 hills.	3 lbs.	8 to 10 feet.	8 to 10 feet.	1 inch.	
RADISH	Feb. to May, Aug. and Sept.	2 ozs.	8 to 10 lbs.	18 to 24 ins.	4 to 6 ins.	½ inch.	
RHUBARB	March and April.	1 oz.	8 to 10 lbs.	Trans. 4 feet.	4 feet.	½ inch.	
SALSIFY	March to July.	2 ozs.	6 to 8 lbs.	18 inches.	4 to 6 ins.	½ inch.	
SPINACH	Feb. to Apr., Aug. to Dec.	2 ozs.	12 to 15 lbs.	1½ to 2 feet.	4 to 6 ins.	1 inch.	
SQUASH	April to July.	2 ozs. (hills).	3 to 4 lbs.	3 to 4 feet.	3 to 4 feet.	1 inch.	
TOMATO	Jan. to July.	1 oz.,1500 plts.	4 ozs.	4 feet.	3 feet.	¼ inch.	
TURNIP	Feb., July to Sept. 15.	1 oz.	1½ to 2 lbs.	2 feet.	4 inches.	½ inch.	
ON THE FARM							
ALFALFA	Mar., April—Aug., Sept.	Broadcast.	20 to 30 lbs.	Broadcast.	Broadcast.	¾ to 1 inch.	60 lbs.
BEANS, NAVY	June and July.	1 lb.	15 lbs.	3 feet.	1 foot.	2 inches.	60 lbs.
" SOY or SOJA	April, May, June.	1 lb.	15 lbs.	2½ to 3 feet.	6 inches.	1 inch.	60 lbs.
" VELVET	May and June.		¼ to ½ bu.	5 feet.	2½ to 3 feet.	3 to 4 ins.	60 lbs.
BROOM CORN	May and June.	2 ozs.	6 lbs.	3½ feet.	8 to 10 ins.	1 inch.	48 lbs.
CHUFAS	April to July.	1 lb.	1 to 1½ pks.	2½ to 3 feet.	15 to 18 ins.	2 inches.	40 lbs.
CLOVER, BURR	July to November.	Broadcast.	20 to 25 lbs.	Broadcast.	Broadcast.	½ inch.	
" CRIMSON	July to October.	Broadcast.	15 lbs.	Broadcast.	Broadcast.	½ inch.	60 lbs.
" JAPAN	Feb., Mar. and April.	Broadcast.	20 lbs.	Broadcast.	Broadcast.	¼ inch.	25 lbs.
" SWEET	April, May—Aug. to Nov.	Broadcast.	20 lbs.	Broadcast.	Broadcast.	¼ inch.	
" OTHER KINDS	Feb., Mar.—Aug. to Nov.	Broadcast.	12 to 15 lbs.	Broadcast.	Broadcast.	½ inch.	60 lbs.
CORN, FIELD	April to July.	Lb., 100 hills.	10 to 12 lbs.	3½ to 4 feet.	12 to 18 ins.	2 inches.	56 lbs.
MILLET	May, June, July.	Broadcast.	1 bus.	Broadcast.	Broadcast.	½ inch.	50 lbs.
OATS	Feb. to Apr., Sept., Oct.	Broadcast.	2 to 3 bus.	Broadcast.	Broadcast.	1 to 2 ins.	32 lbs.
PEANUTS	May and June.	1 lb.	35 to 40 lbs.	2½ to 3 feet.	8 to 10 ins.	1 to 2 ins.	22 lbs.
PEAS, COW	May, June, July.	Broadcast.	1 to 1½ bus.	Broadcast.	Broadcast.	2 inches.	60 lbs.
" CANADA FIELD	Jan., Feb., March.	Broadcast.	1½ bus.	Broadcast.	Broadcast.	4 inches.	60 lbs.
RAPE	Feb. to Apr. 15, Aug. to No.	2 ozs.	6 to 8 lbs.	1½ to 2 feet.	4 to 6 ins.	½ inch.	
SORGHUM	May and June.	4 ozs.	5 to 8 lbs.	3½ to 4 feet.	4 to 6 ins.	½ to 1 inch.	50 lbs.
TEOSINTE	May and June.	1 oz.	2 to 3 lbs.	3½ to 4 feet.	4 to 6 ins.	1 inch.	
TOBACCO	February.		1 to 2 oz.	3½ to 4 feet.	3 feet.	1-16 inch.	
VETCH	Feb., Mar.—July to Nov.	Broadcast.	25 to 30 lbs.	Broadcast.	Broadcast.	2 inches.	
WHEAT	October, November.	Broadcast.	5 pks.	Broadcast.	Broadcast.	2 inches.	60 lbs.

MANN'S VEGETABLE SPECIALTIES for 1934

Mann's Stringless Green Pod.

Mann's Stringless Green Pod Beans

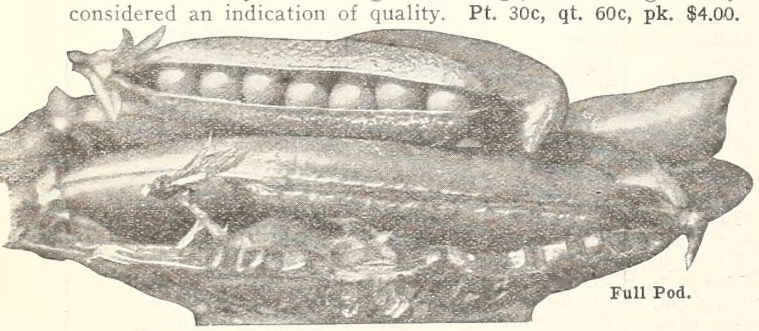
A new second early variety. The plant is of true bush habit and bears an enormous quantity of handsome pods of light green color. They are brittle, tender, fleshy and absolutely stringless, even when fully matured. High quality, stringless and productiveness should be sufficient to recommend this bean to every planter. **Pt. 25c, qt. 50c, pk. $2.25, bu. $8.00.**



Wonder Bush Lima.

Mann's Improved Wonder Bush Lima

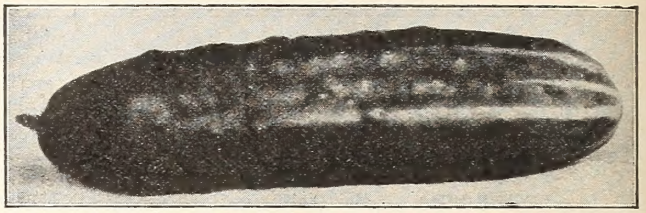
This is one of the earliest of the large seeded Limas. The plants are vigorous and productive. The pods are medium green, very large, about 5 inches long, containing 4 unusually thick and very large beans of excellent quality. Seed very large, thick and usually shows a greenish tinge, which is generally considered an indication of quality. **Pt. 30c, qt. 60c, pk. $4.00.**



Full Pod.

Mann's Full Pod Pea

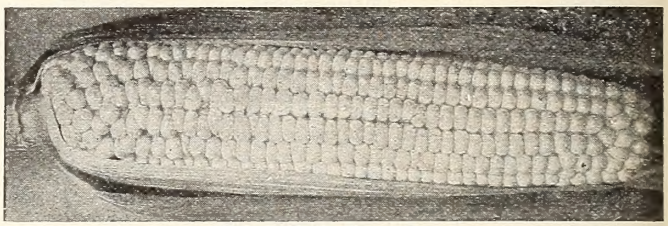
An extremely valuable variety, superior to Nott's Excelsior and American Wonder, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches in height. The pods are dark green. **Pt. 25c, qt. 45c, pk. $2.75, bu. $10.50.**



Mann's Favorite Cucumber.

Mann's Favorite Cucumber

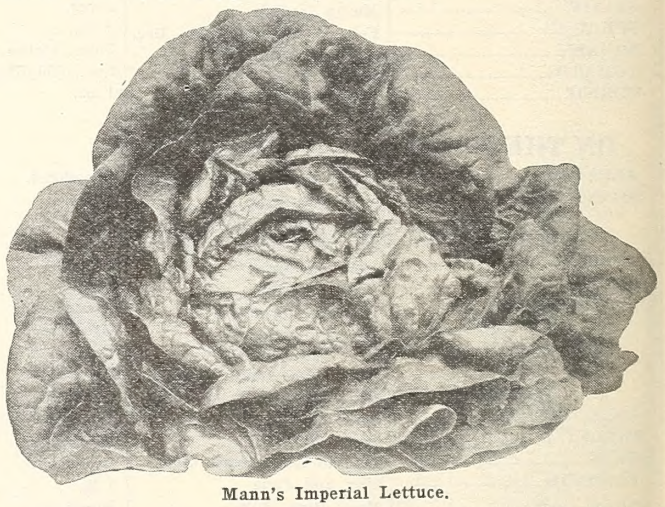
A selection of a medium early White Spine. In color it is a very deep green which holds for a long time, and unlike many other varieties, the color does not commence to change until fruits are quite mature. Of finest quality. The cylindrical fruits are 7 to 8 inches long. A great favorite in Florida for shipping North. **Pkt. 15c, oz. 30c, ¼ lb. 60c, lb. $2.00.**



Mann's Early Sugar Corn.

Mann's Early Sugar Corn

A big-eared medium early corn with the sweet flavor of the late varieties; the ears are 7 to 8 inches long; the stalks grow about 5 feet high and usually bear two ears with 12 to 14 rows of pearly white grains; the shuck extends well over the tip and protects it from the green worm so destructive to early sweet corns. **Pt. 25c, qt. 45c, pk. $2.00, bu. $7.00.**

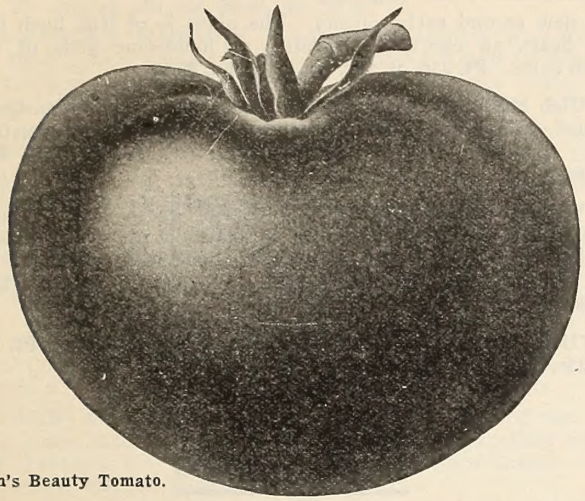


Mann's Imperial Lettuce.

Mann's Imperial Lettuce

A Winner for the Home Garden. One of the very best cabbage varieties for summer heading. Heads are so compact and solid they seldom go to seed. Inside is thoroughly blanched and of the finest flavor. Leaves broad, slightly crumpled, and border finely frilled. **Pkt. 15c, oz. 30c, ¼ lb. 75c, lb. $2.00.**

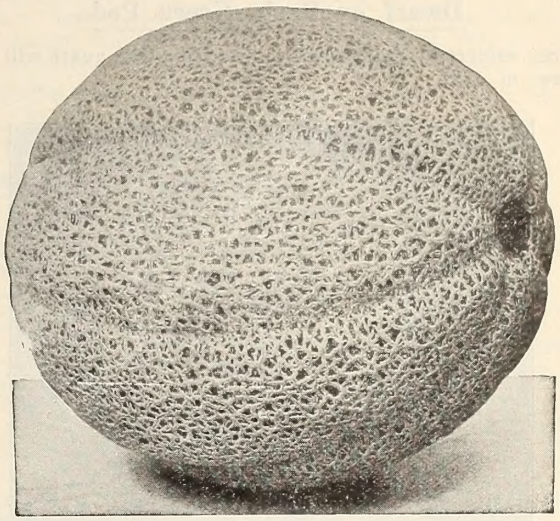
MANN'S VEGETABLE SPECIALTIES for 1934



Mann's Beauty Tomato.

Mann's Beauty Tomato

The finest large-fruited early purple variety. A decided favorite for home market or shipping, being early, hardy, a strong grower, productive, large, always smooth, perfect shape, and excellent in quality. Color a very glossy crimson, with a tinge of purple. Grows in clusters of 4 to 6 large fruits, retaining its large size late in the season. Ripens early and is entirely free from ribbed and elongated fruit. Flesh very firm, has a tough skin and but few seeds. Seldom rots or cracks after a rain. **Pkt. 15c, oz. 40c, ¼ lb. $1.25, lb. $3.50.**



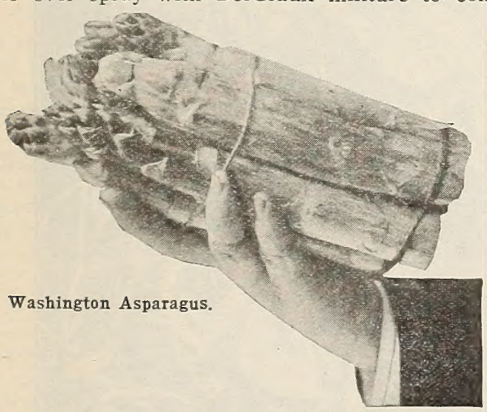
Mann's Surprise Cantaloupe.

Mann's Surprise Cantaloupe

This melon is becoming more popular every year among the market gardeners, owing to being blight proof and bearing fruit long after the vines of most early varieties have died. It is a very heavy yielder and has all the good qualities of the Rocky-ford. **Pkt. 15c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

Asparagus

CULTURE.—Succeeds well in any good rich soil, but a light warm soil which has been heavily manured for the previous crop is best. Soak the seeds for 24 hours; plant 2 inches deep in drills 2 feet apart. When well up, thin out to 3 inches apart and give frequent and thorough cultivation, keeping the plants clean from weeds. The roots can be transplanted, either at one or two years old, either in the fall or spring. After the cutting season is over spray with Bordeaux mixture to control rust;



Washington Asparagus.

put into the spray mixture Paris green or arsenate of lead to kill the asparagus beetles.

An ounce will plant a row 50 feet long; 2 pounds will make enough roots to set an acre.

WASHINGTON—This asparagus, which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rust-free. The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich dark green, tinted darker at the tips. It is a heavy yielder of exceptionally fine flavor. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.25.** ROOTS—**$1.50 per 100, $10.00 per 1,000.**

PALMETTO—A very early maturing and prolific variety, producing an abundance of very large, deep green shoots of the best quality. SEED—**Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 75c.** ROOTS—**$1.00 per 100, $7.00 per 1,000.**

CONOVER'S COLOSSAL—This sort is one of the largest and most extensively used green varieties. Shoots bright green, sometimes tinged with purple at the top, very tender and of the best quality. SEED—**Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 75c.** ROOTS—**$1.00 per 100, $7.00 per 1,000.**

ASPARAGUS KNIVES—50c and 60 each. By mail, add 7c postage.

BAUGHGRO is the ideal plant food for the home garden. It produces vegetables that are succulent, crisp, and of delicious flavor. BAUGHGRO enables the home gardener to grow the earliest vegetables in the neighborhood, and through its use he may increase the production of a given piece of land materially. Odorless—Weedless—Dustless.

5-lb. can	$ .50	50-lb. bag	$2.50
25-lb. bag	1.50	100-lb. bag	4.00

Beans

Dwarf or Bush, Green Pod

Prices subject to change without notice. One quart will plant 100 feet of drill.

Red Valentine.

INOCULATE THIS SEED WITH STIMUGERM

CULTURE.—Dwarf Beans may not be safely planted until the middle of April, owing to the late frost, but may be planted thereafter as desired, until the middle of August.

Select high, rich soil, make drills two feet apart, drop beans along the rows and cover with earth. Hoe often to keep earth to the stems.

IMPROVED STRINGLESS RED VALENTINE—Is the favorite sort for growers who supply the early markets, because its growth is so rapid, and because it stands shipment perfectly. It is a heavy cropper, and ready to pick in about forty days. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

TENDERGREEN—This new variety is of superior quality. The plants are strong and vigorous, and bear attractive light green pods 7 inches long. They are round, meaty, and tender. Early, very prolific, and absolutely stringless. **Pt. 25c, qt. 50c, pk. $2.25, bu. $8.00.**

EXTRA EARLY REFUGEE—The pods are fleshy and of fine quality; very hardy. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

NEW BOUNTIFUL—A new green-pod Bush Bean, which comes into bearing very early and continues almost throughout the season. Absolutely stringless; good shell bean for winter use. **Pt. 20c, qt. 40, pk. $1.85, bu. $6.50.**

BURPEE'S STRINGLESS GREEN POD—This new bean produces a vine similar to Red Valentine, but develops pods to edible condition two or three days earlier than the Valentine; that is to say, in thirty to thirty-one days from germination, which extra-ordinary maturity for table at once advances the Stringless Green Pod to the first rank among table beans. **Pt. 20c, qt. 40c, pk. $1.85, bu. $6.50.**

GIANT STRINGLESS GREEN POD—This is a great improvement on the old-time popular favorite Valentine Bean. The pods are fully one-third longer, averaging 5 to 6 inches in length; absolutely stringless, very crisp, round, full and fleshy. **Pt. 20c, qt. 40c, pk. $1.85, bu. $6.50.**

Mann's Stringless Green Pod Beans

(SPECIALTY, see page 2.)

A new second early variety. The plant is of true bush habit and bears an enormous quantity of handsome pods of light green color. **Pt. 25c, qt. 50c, pk. $2.25, bu. $8.00.**

FULL MEASURE (New)—Large cropper; Stringless, Green-podded, round Bean, not as early as Burpee's Stringless, but a heavy yielder. Best of quality **Pt. 20c, qt. 40c, pk. $1.85, bu. $6.50.**

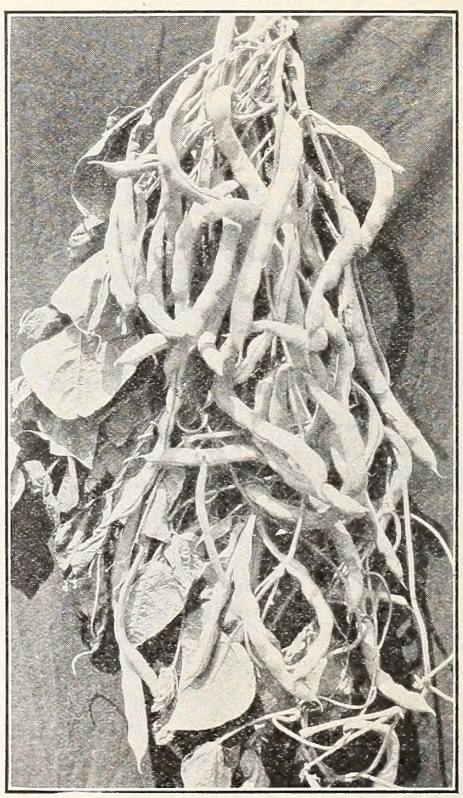
DWARF HORTICULTURAL—Large green pods, splashed with carmine. Excellent either as snaps in the green state, or shelled green or dry. In this neighborhood it is one of the very best selling beans on the market. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

WHITE PEA, or NAVY—Boston Baking Bean. **Pt. 15c, qt. 25c, pk. $1.10, bu. $3.75.**

Pole Beans

Use one quart of seed for 100 hills.

KENTUCKY WONDER—Also known as Old Homestead. We believe this variety is the most practically useful of the green-podded pole Beans suitable for use as snaps. It is an early, very prolific sort, with showy pods which are of most excellent quality. The vines are vigorous, climbing well, and very productive, bearing pods in large clusters. **Pt. 20c, qt. 40c, pk. $2.25, bu. $8.00.**



Kentucky Wonder.

HORTICULTURAL CRANBERRY (Cut Short)—One of the best for family use. The pods are tender, and of fine quality. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

KENTUCKY WONDER WAX—This vigorous wax-podded pole Bean is very similar to the green-podded Kentucky Wonder but the pods are a little broader. They are very fleshy and stringless as snaps and are of excellent quality. The pods are very long, handsome light yellow, often 8 to 9 inches in length. **Pt. 20c, qt. 40c, pk. $2.25, bu. $8.00.**

LAZY WIFE—A white-seeded variety, with long, green pods. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

Dwarf Wax Beans

WARDWELL'S KIDNEY WAX—Long pods and very prolific. Handsome in appearance, entirely stringless. The foliage is free from blight, while the pods are rustproof. The pods are 6 inches in length, ½ inch broad, and ⅜ inch thick; the color is a rich yellow. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

BLACK WAX, IMPROVED PROLIFIC—One of the best for a home garden, perfectly stringless and of excellent flavor. Pods medium size, round, and of clear, waxy white color. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

REFUGEE WAX, KEENEY'S STRINGLESS—This new variety of dwarf Wax Bean is an improved type of the Refugee Wax. The plants are of very robust growth and extremely early and productive, bearing profusely the large beautiful pods which are of delicious flavor. The pods are round, pencil-like. The color is a rich golden yellow and the quality is excellent. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

GOLDEN WAX, IMPROVED STRINGLESS—A vigorous and wonderfully productive Bean of excellent quality. The pods are thick, meaty, entirely stringless and tender. The plant throws out long, pod-bearing tendrills, which appear at first like runners, but it is a true bush Bean. We recommend it very strongly for its productiveness and fine quality. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

CURRIE'S RUSTPROOF WAX—It is hardy and practically rustproof. Pods grow long, flat, and are tender and of fine quality. Very early productive, and by far one of the best shipping beans on the market. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

Pole Lima Beans

EARLY LEVIATHAN LIMA—This is the earliest large-podded pole Lima we know of. The pods are large and often contain five beans which are of good size and of the finest quality. The pods are produced in clusters and in great abundance. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

CARPINTERIA POLE LIMA—A new variety, producing beans of largest size, with a greenish tint, which is so much desired both for market and family use. The beans are of the very finest quality, thin skin, extra tender, and of the finest flavor. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

FORD'S MAMMOTH—The pods grow to an average length of eight inches, are produced in great clusters, with from five to seven beans per pod. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

KING OF THE GARDEN—Large bean and pod; very heavy cropper. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.00.**

Bush Lima Beans

One quart plants about 150 hills, or 100 feet of drill.

Plant in light, rich soil in drills 2 feet apart, dropping the seeds about 1 foot apart in the row, and cover 2 inches.

FORDHOOK—This is altogether unique. Nothing like it has ever been seen before. It is the first and only stiffly erect bush form of the popular Potato Lima. **Pt. 30c, qt. 60c, pk. $4.00, bu. $15.00.**

BURPEE'S IMPROVED—The luscious green Beans are larger than any Limas ever known before. It is fully eight to ten days earlier than any other large Limas, will outyield Burpee's Bush Lima by fully one-third, as the pods are very much larger, while the beans, either green or dry, are nearly twice as thick. **Pt. 25c. qt. 50c, pk. $3.00, bu. $11.00.**

WOOD'S IMPROVED BUSH—A selected strain of Bush Lima. **Pt. 25c, qt. 50c, pk. $3.00, bu. $11.00.**

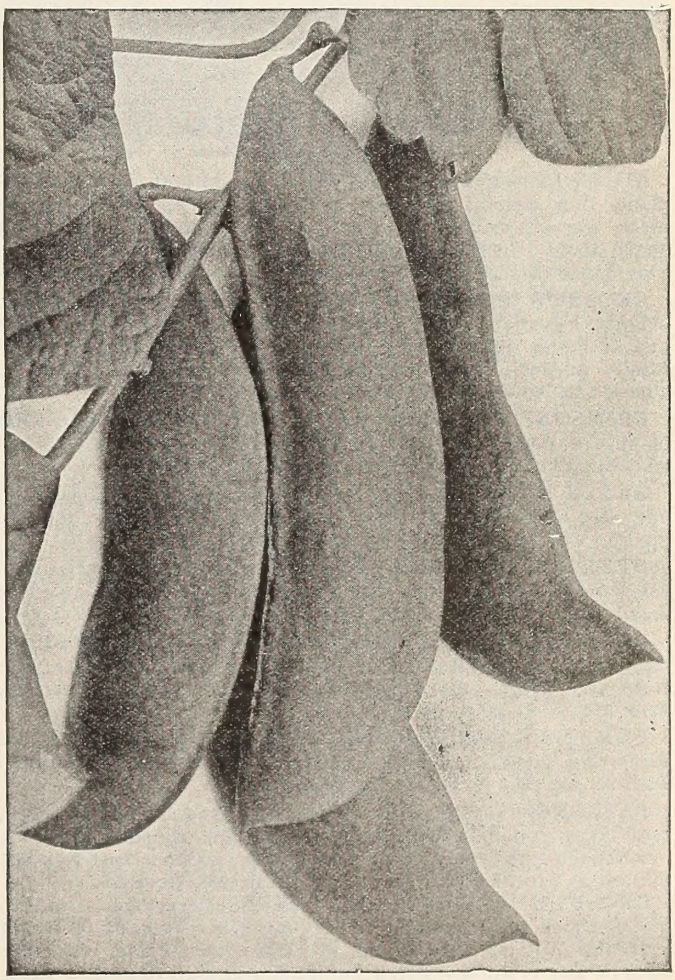
Mann's Improved Wonder Bush Lima

(SPECIALTY, see page 2.)

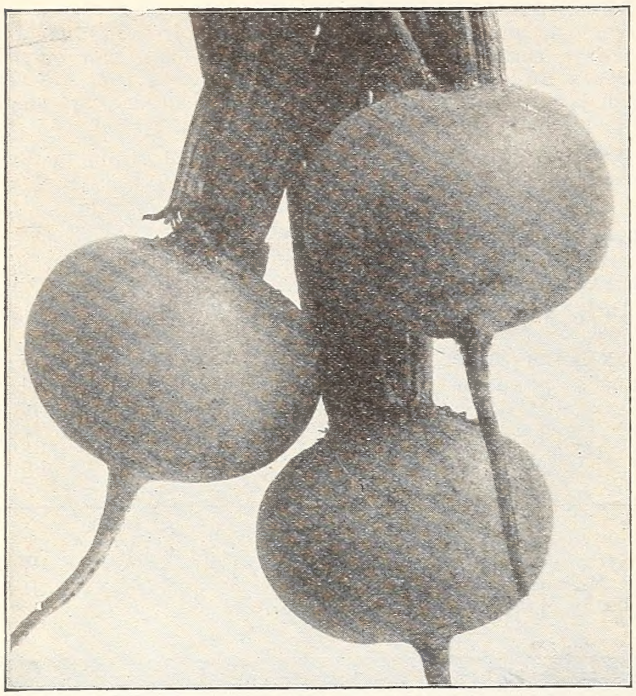
This is one of the earliest of the large seeded Limas. **Pt. 30c, qt. 60c, pk. $4.00.**

DREER'S BUSH LIMA—An excellent variety that is very valuable to all on account of its productiveness. The beans grow close together in the pods, are thick, sweet, and succulent, very similar in shape to Fordhooks, but not quite so large. **Pt. 25c, qt. 50c, pk. $3.00, bu. $11.00.**

Spray your String and Lima Beans with **RED ARROW** to kill Mexican Bean Beetle—non-poisonous spray. Oz. 35c, ¼ pt. $1.00, ½ pt. $1.75, qt. $6.00, 1 gal. $20.00.



Burpee's Improved Bush Beans.



Crosby's Improved Egyptian.

Garden Beets

CULTURE.—If wanted very early, sow in hotbeds and transplant. For general use, plant seed as early as ground can be nicely worked, usually about first of April. Sow in drills 1 foot apart, about 1 inch deep, and thin out to 2 inches apart in rows. One ounce of seed to 50 feet of drill, 6 to 8 pounds per acre.

CROSBY'S EGYPTIAN—This variety is as early as the original Egyptian, but by careful selection has been made thicker and of better quality. For early use, either for market or for family gardens, this variety easily takes the lead. **Pkt. 5c, ounce, 15c, ¼ lb. 35c, lb. $1.25.**

CRIMSON GLOBE—A second early variety, somewhat oblong in shape, with smooth skin and very dark flesh. Good quality. **Pkt. 5c, ounce, 15c, ¼ lb. 35c, lb. $1.25.**

EARLY ECLIPSE—Very early, dark red color, small top and free from fibrous roots; will grow without thinning the plants. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

DETROIT DARK RED—Very early and an excellent keeper. Tops small. Roots dark red and globular in shape. Tender and sweet. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

IMPROVED EARLY BLOOD TURNIP—An improved variety of the Early Blood Turnip; of deep blood-red color, fine form and flavor. An excellent market sort. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

EDMAND'S EARLY BLOOD TURNIP—Of beautiful, round form and good size. Flesh dark red and of finest quality. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

BASSANO—Top large, leaf stems light red, leaf light green, root large, round, Turnip-shaped, flesh pink zoned with white, very sweet and tender when young. An excellent sort to plant for use as greens. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

CROSBY'S IMPROVED EGYPTIAN—Very early; smooth, globe-shaped. Dark blood red. One of the best for planting early out of doors. It becomes fit for use sooner than any other variety, and is equally suited for forcing in hotbeds or for transplanting. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

EARLY WONDER—This beet is the result of many years of expert selection with a special strain of Crosby's as a basis. In this new beet we have perfect form, small tops and tap root, beautiful color, and extra early maturity. For forcing and bunching it is unequalled by anything on the market while the rich color, tenderness and flavor of the flesh make it extremely desirable on the table. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

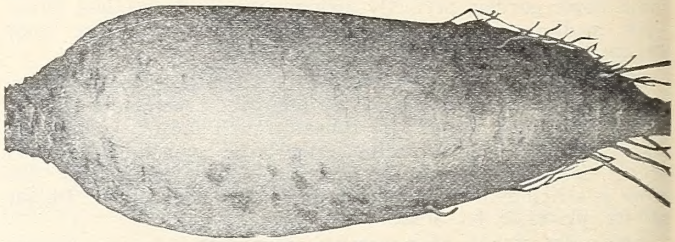
Selected Mangel Wurzels

Six pounds of seed will sow an acre.

An invaluable crop for stock feeding. Sow from April to June on well-cultivated, deep, rich soil, in drills 24 to 30 inches apart.

MAMMOTH LONG RED—The largest and heaviest cropper of all the long red sorts. A most valuable and distinct variety and very popular on account of its nutritious and milk-producing qualities. **¼ lb. 20c, lb. 50c.**

GIANT GOLDEN TANKARD—Flesh bright golden, yellow, differing in this respect from all other varieties which cut white. **¼ lb. 20c, lb. 50c.**

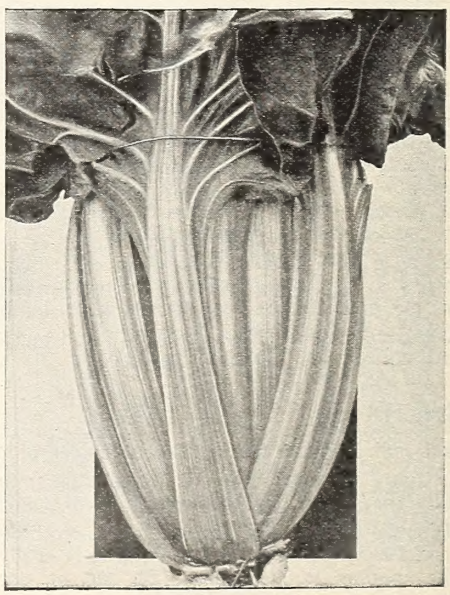


Long Red Mangel.

Swiss Chard or Spinach Beet

CULTURE.—Swiss Chard is a beet grown for its leaves. The mid-rib when boiled makes delicious greens, or the leaves may be boiled and served as spinach. Sown in the spring, the leaves are soon ready to eat, and will continue to grow all through the summer and fall. **One ounce will sow 60 ft. of drill.**

LUCULLUS—A new variety with curled leaves like a Savoy cabbage. The plant grows nearly two feet high and the stem and leaves are very large and of fine quality. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.**



Swiss Chard.

Broccoli.

Italian Broccoli Calabrese

This variety is the broccoli which is served in the first class hotels of Metropolitan cities. It is cooked and served like cauliflower; it has a delicious flavor and is highly praised by epicures.

CULTURE.—Sow seed in open ground 1st of April. Set plants out May 15th to June like late cabbage. **Pkt. 20c, 1 oz. 50c, ¼ lb. $1.25, 1 lb. $4.00.**

Cabbage

Choux Pommes, French
Kopf Kohl, German

American-Grown Selected

One ounce will produce about 2,000 plants. Quarter pound of seed in beds will produce plants for one acre.

CULTURE.—Start your early crop in hotbed middle of February, covering seed about one-half inch; transplant to cold frames soon as plants are large enough, three or four inches each way. Remove glass part of each day to harden plants, and plant out in open ground middle of April. For general crop sow in open ground in June in hills three feet apart.

Early Varieties, Pointed Heads

EARLY YORK—A well-known variety, of small size; shape roundish oval. **Pkt. 10c, oz. 25c ¼ lb. 60c, lb. $2.00.**

EARLY JERSEY WAKEFIELD—A gem of a little cabbage and great favorite with home gardeners on account of its size; can be planted closer than large varieties and its size makes it the best variety for backyard gardens where small amounts are wanted at one time. This is also a great favorite with market gardeners for an extra early crop. A good sure cropper. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

Jersey Wakefield.

CHARLESTON WAKEFIELD—Just a little later and larger than the Early Jersey, and is fine for following this crop; both cabbage are the same shape, the greatest difference being in the size. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

GOLDEN ACRE—This is a new, early, round-headed cabbage which closely resembles Copenhagen Market in type. It is 8 to 10 days earlier than Copenhagen Market but is smaller and can be planted closer. Because of its earliness and fine quality it commands a higher price than any round-headed cabbage. **Pkt. 10c, oz. 30c, ¼ lb. 85c, lb. $3.00**

ALL-HEAD EARLY—A thoroughbred sort, especially recommended on account of its uniform size and shape and reliability for heading. Makes a deep flat head, solid and uniform in color, shape and size. In tenderness it is unsurpassed. Can be grown either for summer or winter use. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

Golden Acre.

HENDERSON'S EARLY SUMMER—About 10 days later than the Early Wakefield, but being fully double the size, it may be classed as decidedly the best large Early Cabbage, and is deservedly popular with market gardeners. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

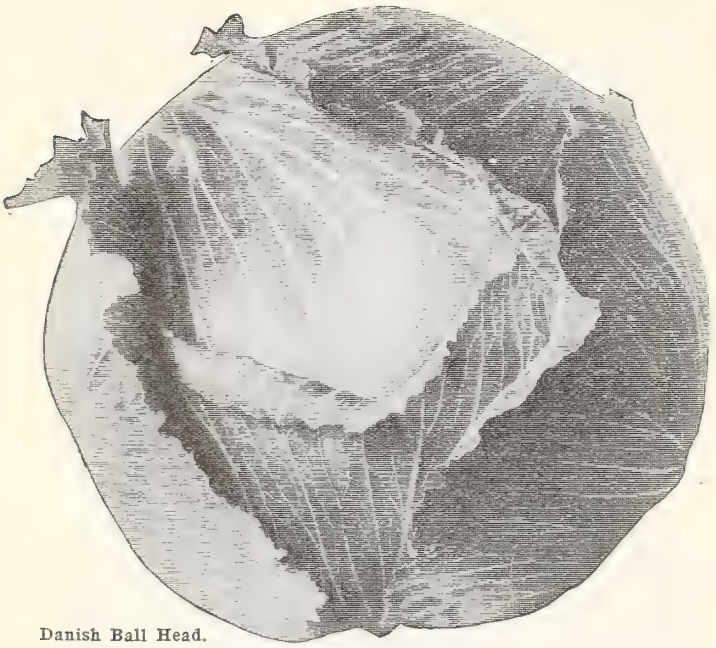
COPENHAGEN MARKET—The earliest large, round-headed cabbage yet introduced. The heads are of exceptionally large size for so early a variety. The plant is of vigorous habit, but compact, with short stem and few outer leaves which are of rather upright growth. The leaves are medium light green, nearly round, comparatively thick and smooth. The heads are round, very solid and of exceptionally good quality. Its earliness, compact growth, uniformity and size of head, firmness and most excellent quality combine to make Copenhagen Market the most valuable cabbage of recent introduction. We recommend it unreservedly both for the home garden and the market gardening trade. **Pkt. 10c, oz. 30c, ¼ lb. 85c, lb. $3.00.**

EARLY FLAT DUTCH—Most popular cabbage in South Texas and Gulf Coast sections for a market and shipping variety. A splendid strain of Flat Dutch, just a little later than the old-time Early Flat Dutch. Fine shipping variety for all sections. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

ALL SEASONS—A fine early flat-head cabbage, adapted to culture in all seasons of the year; a good header and keeper, making medium-sized heads; a good all-round cabbage for any purpose. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

Hammond's Slug Shot for Cabbage Worms

A non-poisonous powder; it requires no further mixing or preparation; easily applied; not injurious or dangerous to animals, the person applying it, or the fruits and vegetables treated; destroys potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. **1-lb. carton 25c, 5-lb. pkg. 75c.**



Danish Ball Head.

Late or Autumn and Winter

DANISH BALL HEAD—This most excellent variety of Cabbage coming from Denmark, has grown very rapidly into favor with both market and private gardeners. It is a large, round, solid heading, medium early variety; a very sure header, having few loose leaves, consequently can be planted very close together. Although a medium early, can also be grown for a fall and winter crop, being one of the best keepers. Very popular in Philadelphia, New York and Boston markets. (See illustration.) **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

THE VOLGA—The heads are uniform and solid, weighing from 10 to 15 pounds each; flesh firm, sweet and tender. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

PERFECTION DRUMHEAD SAVOY—The Savoy Cabbages are very tender and of fine flavor, very much superior in this respect to the ordinary late Fall and Winter Cabbage. Should be much more largely grown, both for home use and market. The strain of American Drumhead Savoy which we offer makes large-sized heads of most superior quality; truckers and private gardeners alike will find it an excellent variety. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

LARGE LATE AMERICAN DRUMHEAD (American Grown)—One of the largest, most solid and best keeping late varieties. This variety seldom fails to head, and is of good quality. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

WORLD-BEATER OR AUTUMN KING—This is a very superior late cabbage. The large, broad heads are very thick through, slightly rounded at the top, fine grained and tender, has a short stalk, green color and one of the best keepers we know, and is a rapid grower. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

PREMIUM LATE FLAT DUTCH—The heads are large and solid; round in shape. Excellent keepers. **Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

MAMMOTH RED ROCK—The head is round, large, solid and a deep red color, the best of the red cabbages. **Pkt. 10c, oz. 30c, ¼ lb. 75c, lb. $2.50.**

Chinese or Celery Cabbage

Also called Pe-Tsai, and Cut Cabbage, by Chinese gardeners, and is beginning to attract attention in America. It does not form a Cabbage head, but when grown to its full size resembles the Cos Lettuce and the outer leaves may be used during its growth. It is odorless while being cooked, and the flavor is delicious, being very mild, and it is excellent for use as a salad or cooked like Asparagus. We are quite sure that it will please all who partake of it. Sow seed after July 1st and give plenty of room to the plants, setting in rows 3 feet apart and 2 feet apart in the row. **Pkt. 10c, oz. 30c, ¼ lb. 75c, lb. $2.50.**

Cress

UPLAND—The most popular variety for market; excellent flavor. **Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. $1.25.**

WATERCRESS—Cultivated by sowing the seed by running water or near a spring which is not severely frozen through the winter. **Pkt. 10c, oz. 30c, ¼ lb. $1.00.**

Carrots

One ounce to 150 feet drill. Two and one-half pounds to acre.

CULTURE.—Follow directions given for Beets and Parsnips, as there is no difference in the method of cultivating these roots.

DANVERS HALF-LONG STUMP-ROOTED—A new variety, of decided merit; rich in color and of handsome shape. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

IMPROVED LONG ORANGE—Deep orange color; long, smooth; popular for general crop. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

CHANTENAY, HALF-LONG—Resembles the Nantes, with larger shoulders; medium early and heavy cropper; one of the best for market. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

EARLY SCARLET HORN—Small, but early. Best for forcing. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

DANVERS HALF-LONG POINTED ROOT—Early and very beautifully shaped; very rich in color and best for main crop. **Pkt. 10c, oz. 15c; ¼ lb. 35c, lb. $1.25.**

ST. VALLERY, OR NEW INTERMEDIATE CARROT—One of the best main-crop carrots. It is noted for its smoothness of shape, its tenderness of flesh and beauty of color. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

Long Orange Carrot.

We can supply all kinds of Vegetable Plants in season, such as Tomato, Cabbage, Celery, Sweet Potato, Eggplants, Peppers, Lettuce, etc., by the dozen or hundred.

Paris Market Brussels Sprouts.

Corn Salad—Ackersalat

One ounce will sow about eighteen square feet and six pounds will sow an acre.

BROAD-LEAVED (Large-Seeded)—A delicious salad, used during the winter and spring months as a substitute for lettuce, and is also cooked and used like spinach. Sow in spring in drills 1 foot apart. It will mature in 6 weeks. For early spring use sow in September and winter over like spinach. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

Collards

GEORGIA, SOUTHERN, OR CREOLE—This is the white or green-stemmed variety, growing 2 to 3 feet high and forming a large, loose, open head, or cluster of leaves, with a rather long stem. A frost, if not too severe, will improve rather than injure the quality of the leaves. Sow thickly in drills in rich ground, transplanting when 4 inches high, or sow in drills where the plants are to remain, and when well started thin to 2 or 3 feet apart in the row. In the South seed may be sown from January to May and from August to October. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.**

Chicory

Sow early in spring, in good mellow soils, in drills half an inch deep, and 12 inches apart.

LARGE-ROOTED BAGDEBURG—The leaves when blanched make an excellent salad. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.75.**

WITLOOF—**Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.75.**

Dandelion

An early spring salad. Sow early in spring in drills 12 inches apart, and thin out 6 inches in the rows.

IMPROVED FRENCH—**Pkt. 10c, oz. 40c, ¼ lb. $1.50.**

Brussels Sprouts

(Paris Market)

Belongs to the cabbage family, making clusters of miniature cabbage heads around the main stalk; these heads are very delicious, with a flavor something like cauliflower; tops grow open like collard heads. **Pkt. 10c, oz. 25c, ¼ lb. 75c.**

Celery—Sellerie

One ounce to 3,000 plants. Ten to fifteen ounces to the acre.

Sow the seed in a well-prepared soil as soon as the ground is in a proper condition to work. Sow in drills and tread the seed firmly in; thin out to an inch apart, and keep the ground well worked and free from weeds. Make the soil very rich with well-rotted manure, which should be dug in deep. A moist, low rich bottom land or well-drained muck soil is preferable. Set the plants 8 or 12 inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the center.

Golden Self-Blanching

(French-Grown, Superior Stock, Unsurpassed)

We have been furnishing our customers this strain of Golden Self-Blanching Celery for a number of years, and it is pronounced by one and all the finest strain they have ever seen. The color is a rich golden yellow, very solid and tender; flavor is delicious; has large heart; grows medium height, and is without doubt the best early celery on the market. **Pkt. 10c, oz. 45c, ¼ lb. $1.50, lb. $5.00.**

WINTER QUEEN—This well-known strain possess exceptional merit. Grows very thick, solid and heavy stalk, and has a large heart. It is a close, compact grower, and when blanched is a creamy-white color. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.00.**

IMPROVED WHITE PLUME—An early self-blanching variety, very popular for fall and early winter use. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.00.**

DWARF GOLDEN HEART—Very solid and excellent keeper, and of fine, nutty flavor; the heart, which is large and full, is of a waxy, golden yellow, rendering it very showy for either market or private use. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.25.**

GIANT PASCAL—A green-leaved variety which was developed from the Golden Self-Blanching. Retains the beautiful color, thick, solid, crisp stalks and incomparable flavor of that variety, but is of stronger growth, also larger, producing perfectly blanched stalks. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.25.**

Celery Seed for Seasoning—Oz. 10c, ¼ lb. 15c, lb. 40c.

Celery Plants—We can supply all the principal varieties in season. Prices on application.

Celeriac or Turnip-Rooted Celery

Grown exclusively for its roots, which, when cooked, sliced and used with vinegar, makes a fine salad.

GIANT SMOOTH PRAGUE—The best variety; large and smooth roots; excellent keeper. **Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.00.**

Golden Self Blanching.

Early Snowball.

Cauliflower

One ounce produces about 3,500 plants.

DRY WEATHER CAULIFLOWER—Especially adapted for growing in dry locations where nearly all other varieties fail, and for heads of good size. Dry Weather, which is also known as Gilt Edge and Danish Giant, is about one week later than our Early Snowball, is much larger and with much more foliage; hence it is not so suitable for forcing. The heads are very large, white, firm and compact, and being well protected by the dense foliage, are easily blanched and remain fit for use for a long time. **Pkt. 20c, oz. $1.25, ¼ lb. $4.00.**

EARLY SNOWBALL—Our strain of this popular variety is unequaled. It is one of the best for forcing under glass or for the open ground. A sure header. **Pkt. 20c, oz. $1.25, ¼ lb. $4.00.**

Cucumber—Gurke

One ounce to fifty hills. One to two pounds to an acre.

CULTURE.—For growth of Cucumbers, hills are raised, standing five feet apart. Quite rich sandy soil is best. If necessary, enrich the hills with a mixture of sandy soil and strong rotted manure. For early use, plant in May; for pickling, plant in June or July. Eight or ten seeds should be allowed to each hill, as young plants are often destroyed by bugs.

IMPROVED EARLY WHITE SPINE, OR ARLINGTON—A selection from the White Spine, being more pointed at each end. The young fruits are usually crisp and tender, and are of very dark green color, so that the variety is considered by many to be the best. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

LONDON LONG GREEN—The standard late sort, quite crisp and of good size. It is not so early as the Spine, but is more desirable for a late crop. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

THE DAVIS PERFECT CUCUMBER—As a forcing cucumber, the Davis Perfect has no equal. Its excellent eating qualities, shape, color and productiveness place it without a rival. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

PERFECTED JERSEY PICKLE—New and fine. The best pickle. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

EARLY FORTUNE—Is of recent introduction and is considered the finest market cucumber of the White Spine type. The fruits measure 9 inches long and are slightly tapering. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

Mann's Favorite Cucumber

(SPECIALTY, see page 2.)

A selection of a medium early White Spine. In color it is a very deep green which holds for a long time. **Pkt. 15c, oz. 30c, ¼ lb. 60c, lb. $2.00.**

COOL AND CRISP—A very early and prolific variety. Fruit is long and good shape; dark green in color. It shows knobs bearing spines more than most varieties. It is a good home variety. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

EARLY GREEN CLUSTER CUCUMBER—This is an extra early pickling or frame variety, being the earliest cucumber of practical use. They will produce fruits 10 days earlier than the earliest slicing varieties. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

KLONDIKE—Deep green and holds its color well. 8 inches long, uniform in shape and size; hardly affected by hot sun; very prolific. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 90c.**

Egg Plant

One ounce will produce 1,000 plants.

Sow in March in hotbed, and transplant when two inches high into a second hotbed, or let them remain and thin out to four inches apart. When the weather becomes settled transplant into the open ground three feet apart each way. Good culture is quite as important as good seed; work the ground deep; make it rich with well-rotted manure, and hoe often.

BLACK BEAUTY EGG PLANT—The New York Black Beauty combines in itself many characteristics which are very valuable in this vegetable. In the first place it is very early; in fact, the earliest good market variety. By this we mean it is the earliest variety that grows to a good size suitable for market purposes. **Pkt. 10c, oz. 40c, ¼ lb. $1.25, lb. $4.50.**

NEW YORK IMPROVED SPINELESS—Best New Jersey gardener's selection. Oval shape, thornless, dark purple color and rich flavor. **Pkt. 10c, oz. 40c, ¼ lb. $1.25, lb. $4.50.**

FLORIDA HIGH BUSH—Has proved a money-maker to Southern growers. It resists drought and wet weather to a wonderful degree on account of its strong, upright growth, the fruits being held well off the ground. Very vigorous and productive, bearing profusely its large purple fruits of fine shape and quality. An excellent shipper. Commission men report they reach market in the best condition and command high prices. **Pkt. 10c, oz. 40c, ¼ lb. $1.25, lb. $4.50.**

Early Fortune.

Sweet or Sugar Corn

One quart will plant 200 hills. Eight quarts for an acre.

If Corn is wanted by mail or express prepaid, add 5 cents per pint, 10 cents per quart for charges.

KENDEL'S EARLY GIANT—This is not a mere novelty, but is of real merit. Ears large, measuring 8 to 10 inches long, having 10 to 12 rows on each cob; kernels pure white, sweet and tender. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

EARLY EVERGREEN—The ears of this new corn grow 8 inches long; are mostly 14 to 16 rows. It ripens 10 to 12 days in advance of Stowell's Evergreen, and is equally as good for all purposes. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

WHITE EVERGREEN—A pure white strain of the popular Stowell's Evergreen. The ears are very large and well filled from butt to tip with long, slender, pure white grains of the most delicious sweetness. It yields two or more ears to the stalk, and they remain in roasting-ear state as long as any corn grown. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

Mann's Early Sugar Corn

(SPECIALTY, see page 2.)

A big-eared medium early corn with the sweet flavor of the late varieties. **Pt. 25c, qt. 45c, pk. $2.00, bu. $7.00.**

IDEAL EARLY ADAMS—A selection and improvement over the old Early Adams. Makes larger and handsomer ears and deeper grains. Ears measure from 10 to 14 inches in length, with 12 or more rows to the ear. Of excellent table quality, and a decided acquisition. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.25.**

GOLDEN BANTAM—Probably the very earliest variety grown. Very sweet; none better for the home garden for first early. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

GOLDEN EVERGREEN—This is a cross between Golden Bantam and Stowell's Evergreen and resembles both of these varieties in many ways. The ears measure 8 inches long and are set with 12 or 14 rows of kernels. Has delicious golden yellow kernels. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

DE LUE'S GOLDEN GIANT ("The Sweetest Corn on Earth")—If you want the best and only the best, all you have to do for early, medium and late sweet corns is to plant De Lue Golden Giant every week or ten days. Superior to the Golden Bantam sweet corn. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

BORDEN'S WONDER BANTAM (Sugar Corn)—Has the good qualities of the Golden Bantam, maturing about the same time. Stalks grow 6 feet in height, producing ears 8 to 10 inches long, with 8 rows of rich golden-colored kernels. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

Stowell's Evergreen.

HOWLING MOB—One of the very best early varieties. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

BLACK MEXICAN—Surpassed by none in quality and tenderness. When cooked is almost white. The ripe ear is black or blue-black. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

COUNTRY GENTLEMAN—A new corn of merit and desirable for family use. The grains are irregular, compact and sweet. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

MAMMOTH LATE—This produces the largest ear of any, a single ear sometimes weighing one or two pounds. It ripens a little later than the Evergreen, with larger cobs, the kernels being flatter, not horse-toothed shape. **Pt. 20c, qt. 35c, pk. $1.75, bu. $6.00.**

STOWELL'S EVERGREEN—So well known that it scarcely needs description. Excellent; keeps green till cold weather; ears large; one of the best. **Pt. 20c, qt. 35c, pk. $1.50, bu. $5.50.**

Kale or Borecole

An ounce of seed will sow about 200 feet of drill. Three pounds to an acre.

DWARF GERMAN GREENS (Siberian Kale)—Generally sown broadcast, but can be sown in drills a foot apart in August. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c.**

BLUE CURLED SCOTCH—A distinctly blue close-curled Scotch strain in large demand in the Norfolk (Va.) section on account of its deep color and excellent shipping qualities. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.00.**

NEW IMPERIAL, OR LONG STANDING—Slow seeder; hardiest for gardeners, superior to all other sorts in vigorous habits; bright green color. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.00.**

EMERALD ISLE KALE—This is really the handsomest kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Very hardy. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.00.**

PLAIN, or SMOOTH—Fine for salads. **Oz. 10c, ¼ lb. 15c, lb. 35c.**

Endive—Endiven

CULTURE.—June or July, select a bed of good soil, drill fifteen inches apart, sow seed and cover lightly. The plants should not stand closer than twelve inches. Keep the earth to the stems, destroy weeds, and hoe liberally.

EXTRA GREEN CURLED—It is the best. **Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. $1.25.**

BROAD-LEAVED BATAVIAN (Escarolle)—Used in soups and stews. Requires to be tied up for blanching. **Pkt. 10c, oz. 20c, ¼ lb. 40c, lb. $1.25.**

Kohl-Rabi

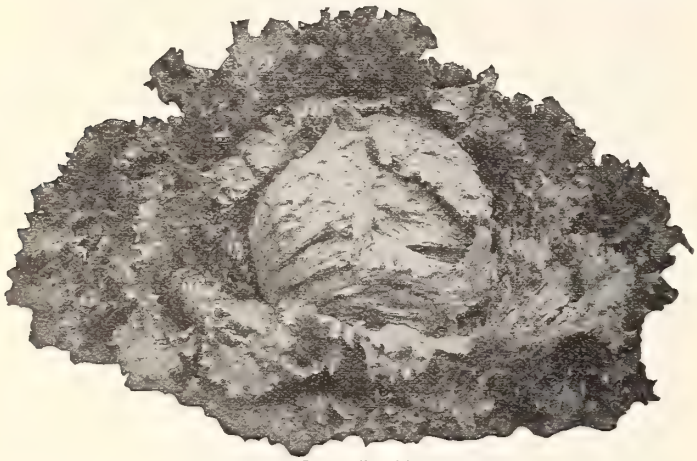
(Turnip-Rooted Cabbage)

One ounce to 200 feet of drill. One and a half pounds to an acre.

CULTURE.—Sow in April in rows 18 inches apart, thinning out to 8 inches between plants.

EARLY WHITE VIENNA—This forms a bulb above ground and its flavor mingles the peculiarities of the cabbage and turnip. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.75.**

EARLIEST PURPLE VIENNA—Same in every respect as the Earliest White Vienna, except in the outside color. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.75.**



Grand Rapids.

Lettuce—Lattich Salat

One ounce will sow 100 square feet, or 120 feet of drill.

CULTURE.—For winter use sow in greenhouse or hotbed and cover seed very lightly. Transplant first three inches apart and then to eight inches. For outside use sow in rows, covering seed one-quarter inch.

Mann's Imperial Lettuce

(SPECIALTY, see page 2.)

A Winner for the Home Garden. One of the very best cabbage varieties for summer heading. **Pkt. 15c, oz. 30c, ¼ lb. 75c, lb. $2.00.**

GRAND RAPIDS FORCING—There is no better forcing variety among the curled-leaved sorts than the Grand Rapids, and it is quite as good for outdoor culture as other sorts. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

BLACK-SEEDED SIMPSON—One of the best curled varieties, withstanding the summer heat. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

WAYAHEAD—Very early, sure-head and solid. Outer leaves light green, inner yellow. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

MAY KING—A new German variety, fine for forcing and outdoors; heads of medium size, yellowish-green in color; very early and a fine variety. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

Big Boston.

BRITTLE-Ice—Grows to a larger size, is of more pleasing appearance, and retains its crispness and mild flavor to a greater degree during the hot summer months than any other crisp-head variety. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

HUBBARD MARKET—A large-heading variety, good for either forcing or sowing in open ground. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

NEW GOLDEN QUEEN—Popular for forcing. **Pkt. 10c, oz. 20c, ¼ lb. 75c, lb. $2.00.**

CALIFORNIA CREAM BUTTER—Outside leaves are of medium green color, and inside is folded a solid head of rich, creamy-yellow color. It is considered by growers one of the best in cultivation. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

SALAMANDER (B. S.)—Compact, tender heads resisting summer heat. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

NEW YORK IMPROVED—This is also called **"Wonderful."** The heads are closely folded and grow to immense size. The inner portion is beautifully blanched and the outer leaves are a rich deep green. It is a foremost market grower's variety and very popular with many home gardeners. **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

IMPROVED BIG BOSTON LETTUCE—Identical in color, shape and general appearance as the Boston Market Lettuce, but double in size. It is about one week later in maturing. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

ICEBERG—A large, crisp lettuce, always tender, stands hot weather remarkably; give each head 14 inches in the row. The color is light green, lightly tinged with brown. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

EARLY CURLED SIMPSON—Very early, largely grown in cold frames. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

Romaine or Cos Lettuce

NEW TRIANON COS, OR CELERY LETTUCE—The finest of all the Cos sorts; leaves when bleached are stiff like celery stalks, and can be eaten in the same manner. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

Mustard

SPINACH MUSTARD—A mild flavored mustard with a delicious spinach flavor, ready for cutting in 3 to 4 weeks after planting. Prepare like spinach or turnip greens. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.**

FORD HOOK FANCY MUSTARD—The plants are of vigorous growth; dark green leaves curve outward like a fine ostrich plume. Fine flavor, one of the best for early salad. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.**

White—Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.
Giant Southern Curled—Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

Leek—Lauch

BROAD LONDON, or LARGE AMERICAN FLAG—Best American-grown seed. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

American Flag.

Bottomly Cantaloupe.

Cantaloupe or Muskmelon

One ounce will plant about fifty hills. Two or three pounds in hill per acre.

CULTURE.—Plant seed in hills 5 and 6 feet apart each way, 8 to 10 seeds per hill, after danger from frost is past. After plants are well up, thin to 4 to the hill; keep them well cultivated until the runners are so long they cannot be hoed or cultivated.

Mann's Surprise Cantaloupe

(SPECIALTY, see page 3.)

This melon is becoming more popular every year among the market gardeners. **Pkt. 15c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

Early Knight Cantaloupe

A splendid early Cantaloupe of superb quality, and at the same time makes an excellent market or shipping melon.

Its earliness, productiveness, uniformity in shape and appearance and fine table qualities easily place it in the first class, both for home use and market. It matures about a week earlier than the regular Rocky Ford, is larger in size, and makes a most attractive, salable melon. Thick, green flesh, shading to orange at center; well netted. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

SWEET AIR—It is the sweetest, finest flavored, juiciest and best melon ever offered. It is a little larger than the Rocky Ford, well netted, thick green flesh, small seed cavity. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

ROCKY FORD NETTED GEM—Our stock is especially grown for us in the famous Rocky Ford melon district, and is a particularly valuable strain for shippers. It is uniform in size, thickly netted, distinctly ribbed, firm-fleshed and of most delicious flavor. **Pkt. 10c, oz. 15c; ¼ lb. 35c, lb. $1.25.**

BOTTOMLY—Is planted exclusively by the foremost cantaloupe growers of Anne Arundel County, in connection with the now famous Knight, maturing about 10 days later. The most exacting will be satisfied by the delicious quality while its appearance exhibits all the refinement of form, color and netting so necessary to a good melon. **Pkt. 10c, oz. 15c, ¼ lb. 50c, lb. $1.50.**

TIP TOP—For splendid eating qualities this melon is certainly rightly named, for it is one of the most delicious flavored and finest table melons in existence. It grows to a large size, has thick orange flesh and is sweet, juicy and of the finest flavor even close to the rind. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

POLLOCK'S No. 10-25 (Salmon Flesh)—This Musk Melon is considered the best of the salmon-fleshed Rocky Fords. Is the most reliable and best cropper, thriving on most any soil, producing ripe melons in about 70 days. The fruits are of great uniformity in size and shape, with well-developed gray netting, closely laced and covering the entire surface. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

FORDHOOK MUSK MELON—Very thick, orange-yellow flesh, small seed cavity, and comparatively few seeds. The flesh is solid and of very fine flavor, staying solid and firm after the melon has become quite yellow **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

LONG JOHN—This is a product of Anne Arundel County which is famous for its fine Cantaloupes. Averages 8 to 10 inches, some specimens growing a foot long, deeply netted and ribbed, green-fleshed, thickly meated, deliciously flavored. Main crop variety. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

HEARTS OF GOLD—A splendid market or shipping variety; fruit round with tendency to heart-shape, slightly ribbed and covered with a fine netting; flesh very thick, deep salmon color and of high quality. **Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.25.**

Watermelon

Those using larger quantities than one pound of Watermelon Seeds should write us for special prices.

CULTURE.—Plant in hills 6 or 8 feet apart in May. Select warm, light, dry ground, and in preparing the hills let them be dug out as broad and deep as the soil will admit; fill at least one-third full of best decomposed stable manure, mix thoroughly with the soil; fill up a little above the level of the ground.

THURMOND GRAY WATERMELON—Thurmond Gray has permanently taken its place among the shipping varieties of melons. It was a favorite with growers in some sections last season and will be grown extensively in the future. It grows to a large size, very productive, and is a good shipping sort. Sells to good advantage in the principal markets. The cutting quality of this melon is excellent. The deep, red flesh ripens close to the rind, the flesh being firm, will not break when sliced. Color of the rind is greenish gray. We consider the Thurmond Gray one of the best market sorts and recommend it to both market gardeners and large growers of watermelons. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.**

EXCEL (New)—Large, long dark green melon; has a tough rind, therefore making it a fine melon for shipping. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.**

IRISH GREY—Long melon, light green rind; fine shipping. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.**

GENERAL PERSHING—Long dark green melon; flesh firm and compact; very sweet; rind tough, making it a fine shipper. **Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.**

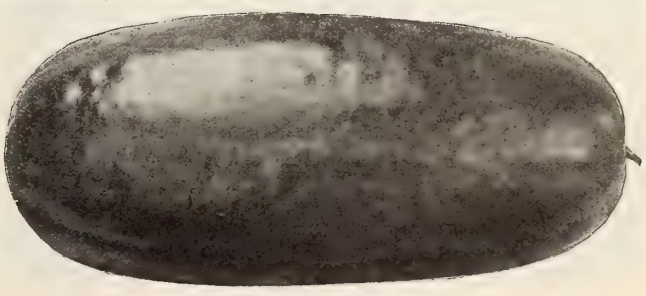
FLORIDA FAVORITE—An oblong melon of fine flavor. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.**

HALBERT HONEY—The strong points in favor of this melon are its superb flavor, sweetness, tenderness, and fine table qualities. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.**

STRIPED GYPSY, or GEORGIA RATTLESNAKE — A large, oblong melon. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.**

KLECKLEY'S SWEET—This is one of the earliest melons. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.**

TOM WATSON, NINETY DAYS—Long, dark green; much better than the Kleckley Sweet, and longer; fine variety. (See illustration.) **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**



Tom Watson Watermelon.

Okra or Gumbo

CULTURE.—Plant in May, in hills about 3 feet apart, 4 or 5 seeds per hill. When well established, thin out to 2 plants. One ounce to 100 feet of drill; 8 pounds per acre.

PERKINS' MAMMOTH LONG-PODDED—A very large-podded variety; popular with canners and for home use. Quality very fine. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 60c.**

WHITE VELVET—Pods round, smooth, free from seams, very prolific. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 60c.**

DWARF GREEN PROLIFIC, or DENSITY—A very dwarf and prolific variety. Pods green, smooth and thickly set. **Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 60c.**

Onion—Zwiebel

Onion Seeds should be sown as early as possible to work the ground, in drills one inch deep and twelve to sixteen inches apart, in rich soil, deeply dug and lightly rolled. Thin to one inch apart. When sowing for sets seeds must be put in very thick, at the rate of twenty pounds to the acre. The same patch may be used year after year for onions and never made too rich. To raise large onions, select a bed of rich soil, work it deeply.

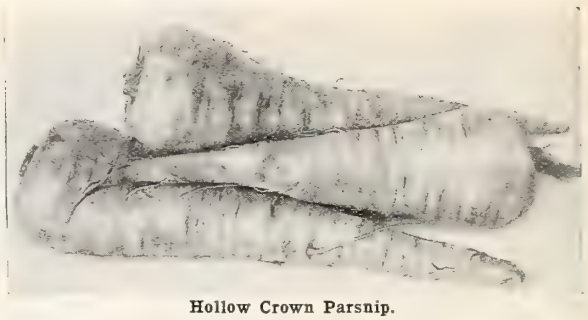
Good Onion Seed is of the Greatest Importance

JAPANESE (Ebenezer)—This new variety promises to be one of the best for the production of large onions for Fall and Winter market, yielding almost twice as many bushels per acre than any other set onion. Somewhat similar to Flat Danvers in color and shape but a trifle thicker and very much larger in circumference. They are very mild, excellent keepers, rapid growers, and very few go to seed. The appearance, size, quality and wonderful yields of this variety give it a prominent place among the most valuable sorts. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

WHITE SILVER SKIN, or PORTUGAL—The leading sort of white onion. Skin is of a beautiful clear white color; flavor mild and a most excellent keeper. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

RED WETHERSFIELD—The best-known and most widely used red variety. In shape it is flattish, but thick, with very firm flesh; is hard, and an excellent keeper, as well as a heavy cropper. The color is a bright, purplish-red. **Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. $2.00.**

White Silver Skin Onion.



Hollow Crown Parsnip.

YELLOW GLOBE DANVERS—The popular yellow globe onion for market and shipping purposes is almost ball shaped, but a trifle flattened at both ends. **Pkt. 10c, oz. 20c; ¼ lb. 50c, lb. $1.75.**

SOUTHPORT LARGE WHITE GLOBE—**Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00.**

PRIZETAKER—A superb variety where large size and superior keeping qualities are desired. Color a rich straw and flavor very mild and delicate. **Pkt. 10c oz. 20c, ¼ lb. 60c, lb. $1.75.**

Onion Sets

One quart to fifty feet of row; eight to ten bushels per acre, according to size of sets.

All onions attain full size and maturity for the same season from spring-sown seed, yet many people desire to plant out sets for earliest Onions for the table or to use green or for bunching.

YELLOW ONION SETS—Grown from our select strain of Yellow Danvers. **Pt. 10c, qt. 20c, pk. $1.00.**

WHITE ONION SETS—Grown from our select strain of White Portugal. **Pt. 10c, qt. 20c, pk. $1.25.**

The price per bushel is subject to change with the market. Write for quotations.

Parsnips—Pastinake

One ounce to 150 feet of drill.

Sow as early in the spring as the weather will permit, in drills 15 inches apart and ½ inch deep in rich, well-manured ground, well dug. Cultivate similar to carrots, and thin out to 6 inches apart. To keep well in the ground over winter, draw a little earth over the tops.

HOLLOW CROWN, or LARGE SUGAR—The best variety in cultivation for general use; roots white, smooth, of intermediate length, sugary, of excellent flavor. **Pkt. 5c, oz. 15c, ¼ lb. 25c, lb. 75c.**

Parsley—Petersilie

One ounce to 150 feet of drill.

Sow in rows one foot apart and one inch deep. The seed is slow to germinate and should be given the most favorable conditions. A deep, rich, loamy soil is required. For winter use a few plants placed in a box in the cellar will give a supply.

EXTRA-DARK MOSS CURLED—The large leaves are very heavily crimped and curled, being quite moss-like in appearance and of peculiarly rich, extra dark green coloring. Very productive, and most attractive as a garnish, both on account of this deep green coloring and fine mossy appearance. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

FINE DOUBLE CURLED—Plants of dwarf compact growth, and the young leaves have the edges heavily crimped, being of quite mosslike appearance. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

Peppers

One ounce will produce about 2,000 plants.

CULTURE.—Sow in hotbed in April, and in warm, settled weather transplant outdoors 18 inches apart in rows 3 feet apart; or, when all danger of frost is past, sow in open ground and thin.

CRIMSON GIANT—The largest and finest mild red pepper; double the size of Ruby King. **Pkt. 10c, oz. 50c, ¼ lb. $1.50, lb. $5.00.**

NEAPOLITAN LARGE EARLY—Earliest of the large sweet peppers. Thick-meated and very productive. **Pkt. 10c, oz. 35c, ¼ lb. $1.00, lb. $3.50.**

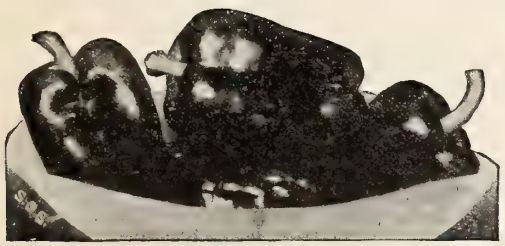
Ruby King—Ideal pepper for filling and pepper hash. **Pkt. 10c, oz. 35c, ¼ lb. $1.00, lb. $3.50.**

LARGE BELL, or BULL NOSE—Early, large, red mild. **Pkt. 10c, oz. 35c, ¼ lb. $1.00, lb. $3.50.**

LONG RED CAYENNE—**Pkt. 10c, oz. 35c, ¼ lb. $1.00, lb. $3.25.**

CHINESE GIANT—**Pkt. 10c, oz. 50c, ¼ lb. $1.50, lb. $5.00.**

PIMENTO LARGE SWEET—**Pkt. 10c, oz. 35c, ¼ lb. $1.00, lb. $3.25.**



Ruby King Peppers.

Maine-Grown Seed Potatoes

All of the Seed Potatoes we sell are grown in the State of Maine, where it is universally acknowledged the best seed potatoes are raised, and thousands of carloads are shipped every year from the counties of Holton and Aroostook alone. Farmers and truckers in the Middle and Southern States should renew their seed potatoes at least every two years, as by doing so they will realize the advantage of early maturity and productiveness.

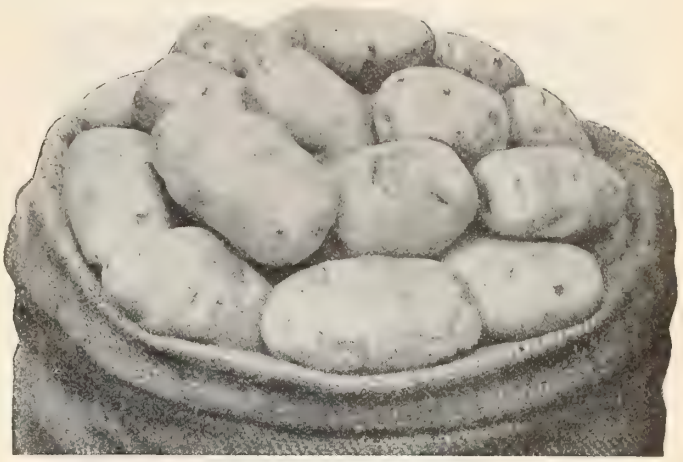
Special prices will be given on application.

OHIO, or XX EARLY—This is one of the earliest potatoes grown; it will bear heavy manuring with commercial fertilizer; yields well, is free from blight; potatoes come to eatable size very early and eat well.

EARLY ROSE—For a generation the standard potato of the whole country for earliest yield, thrift, beauty and table qualities, because it always succeeds well in any soil in any climate.

SPAULDING ROSE—Said to be the earliest potato now grown, and especially recommended for early market trade. Grown under favorable circumstances, they are ready for the table at 10 weeks from date of planting, and fully matured at 12 weeks. Medium sized, very smooth-skinned, shallow-eyed, and of fine texture; in color light pink.

IRISH COBBLER—One of the most reliable first early potatoes ever sent out. It ripens almost with the Early Ohio, and so uniform that every hill seems to ripen all at one time. The value of this feature will be at once apparent to the market gardener who always likes to dig the entire crop at one time and follow with a crop of something else from the same ground.



Irish Cobbler Potatoes.

BLISS RED TRIUMPH—This beautiful variety combines the productiveness of the Carman with the good qualities of the Early Rose. It is an extra-early variety. The tubers are of medium size, round and uniform in shape, eyes slightly depressed; color a beautiful red. Its great beauty, productiveness, and fine quality make it one of the best extra-early market varieties.

GREEN MOUNTAIN—White skin, flat, oval form, smooth, of good appearance; fine for the table when well grown; ripens slowly and is a good keeper; valuable for late crops; now taking the lead in all markets.

GOLD COIN—A splendid Maine-crop variety of remarkable productiveness and finest table quality; slightly oblong form light golden skin, flesh pure white, fine grained, cooks very dry

Sweet Potato Plants

Big Stems and Jersey Roots ready about April 1st. Big Stems and Jersey Plants ready about May 1st. Prices on request.

Pumpkin—Grosse-Kurbis

One pound will sow 200 to 300 hills.

CULTURE.—The common practice is to drop 2 or 3 seeds into every third or fourth hill in the cornfield; may be sown in hills, 8 feet apart each way, 4 plants to each hill.

CASHAW, or CROOKNECK—Large, light cream colored, solid and sweet, very fine-grained; splendid for table or feeding stock. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.00.**

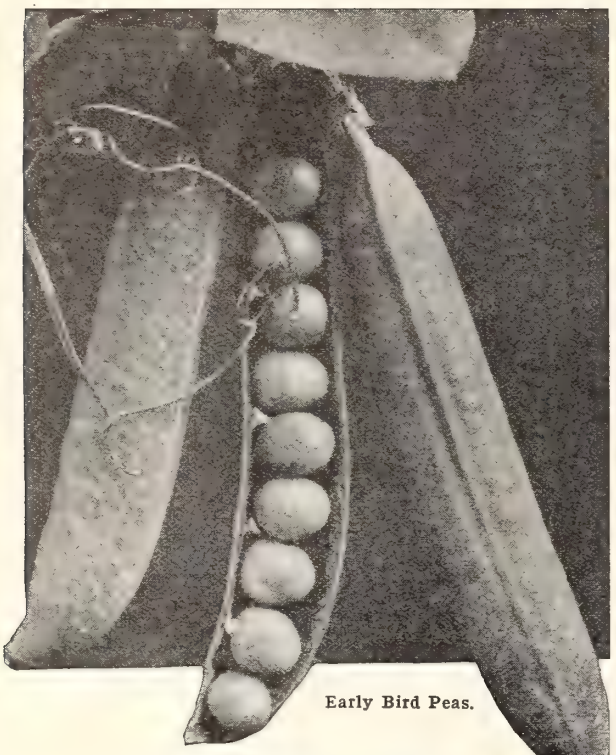
LARGE CHEESE—A good cooking variety, cheese shaped creamy yellow color, flesh fine-grained and one of the best for pies. **Pkt. 5c, oz. 15c, ¼ lb. 25c, lb. 75c.**

JAPANESE PIE—Crook-neck variety; extremely small seed cavity; nearly all solid meat; quality extra fine. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.00.**

LARGE CONNECTICUT FIELD—Hardiest of all pumpkins, good for pies and stock feeding. **Pkt. 5c, oz. 15c, ¼ lb. 25c, lb. 75c.**

SMALL SUGAR—Early, prolific and very sweet, orange color; fine keeper. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. 85c.**

KING OF MAMMOTHS—The giant variety, grows to enormous size; deep yellow, glossy color. Splendid to grow for stock and exhibition purposes. **Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. $1.25.**



Early Bird Peas.

Garden Peas

PLANT MANN'S SEEDS FOR BETTER RESULTS

We Do Not Pay Postage on Peas.
Three quarts of seed to 100 yards of row. One and a half to two bushels to the acre.

INOCULATE THIS SEED WITH STIMUGERM

CULTURE.—Sow as early as the ground can be worked, and again every ten days or two weeks in succession. They can be sown as late as the 20th of August for the last sowing, using Extra Earlies. Sow in rows about 4 feet apart and 1 inch apart in the row and 3 to 4 inches deep.

EXTRA-EARLY ALASKA—The earliest blue pea. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable pea for market gardeners. Height 2 feet. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.25.**

LITTLE MARVEL—As regards Little Marvel peas, this variety we can recommend as being one of the very best short-vine peas introduced. The vines are about a foot high, very stocky, and the pods are large and well filled with large peas of excellent quality. We consider this variety far superior to American Wonder or Nott's Excelsior, and when they are better known they will be in great demand. **Pt. 20c, qt. 40c, pk. $2.75, bu. $10.50.**

NOTT'S EXCELSIOR—One of the best early dwarf peas. It combines the good qualities of the American Wonder and Premium Gem Peas. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

LONG-PODDED ALASKA—New, vigorous, handsome, long-podded, delicious flavored Alaska Pea. Bound to become extremely popular, for it has all the good qualities of famous Extra Early Alaska Pea, and in addition, it has a well-filled pod almost twice as long which will fill the basket in one-half the time, and while it is not a distinctly sugar pea, yet it has a much sweeter flavor than the Alaska. It is an abundant yielder. **Pt. 20c, qt. 35c, pk. $2.50, bu. $9.00.**

GRADUS, or PROSPERITY—Probably the best extra-early pea yet introduced. Only 2 or 3 days later than Alaska, and a wrinkled pea of excellent quality. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

EXTRA-EARLY PILOT—The pods and peas are nearly as large as those of Gradus, and are produced three days earlier. They can be planted much earlier than Gradus, and while not wrinkled, the peas are almost equal in flavor. Three feet high. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

PREMIUM GEM—This variety is nearly as early as the American Wonder, and the very productive vine is decidedly larger, growing to a height of from 15 to 18 inches. The pods are large and crowded with 6 to 8 very large peas of fine quality. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

THOMAS LAXTON—An extra-large-podded variety. The plant is a very hardy and strong grower, producing the large-size pods in abundance; quality is delicious and cannot be surpassed. Pods very dark green. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

AMERICAN WONDER—This is a dwarf variety, and leads all others in point of earliness, growing about 10 inches high, and produces a profusion of good-sized, well-filled pods, with finest flavored peas. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

HORSFORD'S MARKET GARDEN—A first-class wrinkled pea, second early; height 24 inches. Does not require stakes; is profitable sort for market gardeners; a single plant has been known to produce 150 pods. It is equally good for the home table. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

CARTER'S DAISY, or DWARF TELEPHONE—A most desirable sort on account of its size, beautiful shape and fine quality. Pods broad and of a pale green color. Height 20 inches. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

EARLY BIRD—As early as Alaska and First and Best. As large as Thomas Laxton or Gradus. Dwarf, vigorous vines about 2 feet high, covered with immense well-filled pods. Perfectly hardy. Can be planted as early as any variety. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

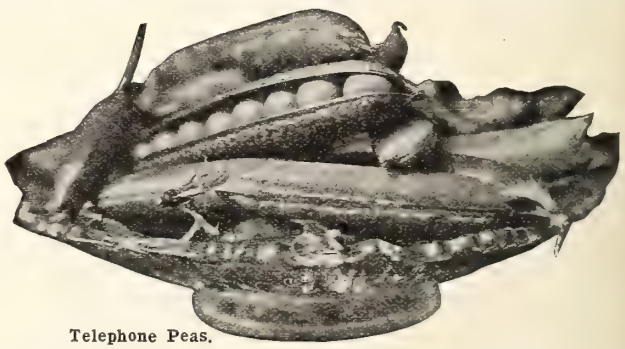
LAXTON SUPERB—A new dwarf Gradus. This is the largest podded of all the early dwarf varieties and is a new sort of decided merit. The vines are vigorous, growing about 16 inches high, and produce a large crop of good-sized pods, averaging from 9 to 10 peas to the pod. The peas are of exquisite flavor and mature early. **Pt. 20c, qt. 40c, pk. $2.50, bu. $9.00.**

Mann's Full Pod Pea

(SPECIALTY, see page 2.)

An extremely valuable variety, superior to Nott's Excelsior and American Wonder, especially suited to small home gardens. **Pt. 25c, qt. 45c, pk. $2.25, bu. $8.00.**

TELEPHONE IMPROVED STOCK—A luscious wrinkled-pea; pod, large size and peas excellent quality; an enormous cropper; grows 4 feet high. **Pt. 20c, qt. 40c, pk. $2.00, bu. $7.25.**



Telephone Peas.

NOTICE.—In ordering Peas to be sent by mail, please add 8 cents per pint to pay postage. Prices subject to change without notice.

Glowing Ball Radish.

Radish—Rettig

One ounce will sow 100 feet of drill. Nine pounds will sow an acre.

CULTURE.—Select light, sandy soil, spade deeply and manure well. For early crop, sow in hotbeds in February or March; for main crop, sow at intervals from early spring until last of September in deep, rich soil. Broadcast sowing is allowable, but drilling is more professional; however, radishes do well by either method. Thin when they crowd, or the crop will be imperfect. They may be drawn after a few weeks' growth.

LONG BRIGHT SCARLET, WHITE TIP—Matures in 25 days from planting, continuing crisp until full grown. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

LONG WHITE ICICLE—The popular long white radish, very early. The best long white radish. Skin is pure white; flesh crisp and tender, remaining so for a long time. It is very early, maturing in 25 to 30 days. Makes a fine show when bunched for market. Popular with market gardeners. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

SAXA—A large globe-shaped variety of recent introduction. Color is brilliant cardinal; flesh firm and tender; matures early; grows to a large size, and is always very crisp and tender. We consider this one of the very best second early forcing varieties. Highly recommended for outdoor planting. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

EARLY SCARLET TURNIP, WHITE TIPPED—Early fine grain and flavor, round with white tip. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

VICK'S SCARLET GLOBE—A very desirable variety for open ground or forcing. It is nearly olive-shaped; bright scarlet color, of fine quality. Matures very early and does not become unfit for use as soon as many extra-early sorts. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

GLOWING BALL, New—(Extra Early Forcing Variety). A splendid forcing radish which is a striking advance over the present scarlet forcing varieties. It has a perfect round shape, a small top, a thread-like tap-root, and a unique color. In fact, we have never come across a radish of such an unusual brilliant color. Bright fiery scarlet-red with a suffusion of orange, it has a glow all its own. **Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.00.**

EARLY SCARLET TURNIP—The old favorite turnip-shaped radish of medium size, quick to mature; a very desirable variety. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

EARLY LONG SCARLET—Short tops, long, deep scarlet roots, fine flavor. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

FRENCH BREAKFAST—A quick-growing, oval-shaped radish, light color and white tip. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

HALF-LONG DEEP SCARLET (Paris Beauty)—Color bright scarlet. Flesh pure white, crisp and juicy. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

LARGE WHITE SUMMER TURNIP—Excellent for summer use. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

LONG WHITE VIENNA, or LADY FINGER—This in shape resembles the long scarlet; color snow white. It is of rapid growth, and remarkably crisp, brittle and tender. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

WHITE STRASBURG—Large white radish, which stands summer heat; handsome shape and pure white color. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

CHINESE WINTER ROSE—**Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.**

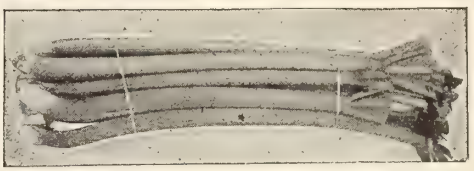
ROUND BLACK SPANISH WINTER—**Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.**

LONG BLACK SPANISH—**Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.**

Rhubarb or Pie Plant

Very familiarly known as the Pie Plant. The foot stalk is the portion that is used, and is the first vegetable of the season from the garden. Sow the seed early in the spring, in rows 1 foot apart, on rich ground. The second year after planting they can be removed, in autumn, to the permanent spot alloted to them. Plant the roots 2 feet apart each way, in ground that is well enriched, at least 2 feet deep. **Pkt. 10c, oz. 15c, ¼ lb. 50c.**

VICTORIA—Large-size Roots. Each 20c, dozen $2.00.



Herbs

All gardens should have some space devoted to the more important Pot Herbs. A few varieties are grown solely for the seed produced, which is used for flavoring cakes, bread, confectionery, etc.

	Pkt.	Oz.	¼ lb.
Dill	$.10	$.15	$.35
Fennel	.10	.15	.50
Lavender	.10	.30	.75
Marjoram, Sweet	.10	.30	.75
Sage	.10	.30	.75
Summer Savory	.10	.30	.75
Thyme	.10	.50	1.50

NORCROSS WEEDER

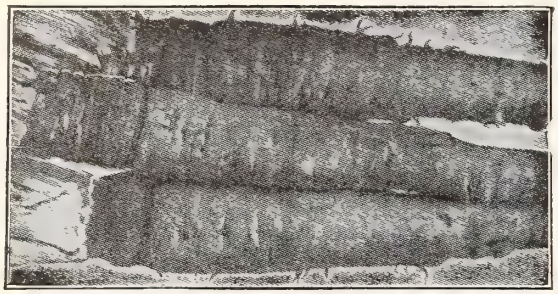
The Best Tool for Garden Use

3-Tine.....75c each 5-Tine.....$1.00 each

Salsify or Oyster Plant

Five to eight pounds to an acre.

CULTURE.—Sow early in spring in drills 15 inches apart; cover with fine soil 1½ inches deep, thin to 6 inches apart. As soil is strong and inclines to depth and lightness, it proportionately is adapted to Salsify. As the leaves resemble grass, be careful they are not mistaken in weeding. Salsify keeps over winter like parsnips.



Mammoth Sandwich Island Salsify.

SANDWICH ISLAND MAMMOTH—The most popular salsify in cultivation, and far superior to the old varieties in size, weight and productiveness. A strong grower, with large, long, white tapering roots; without tendency to branch. We have taken great care in the selection of our seed stock so as to produce not only good size, but the smoothest roots possible, qualities that will be appreciated both by market and private growers. (See illustration.) **Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.50.**

Spinach—Spinat

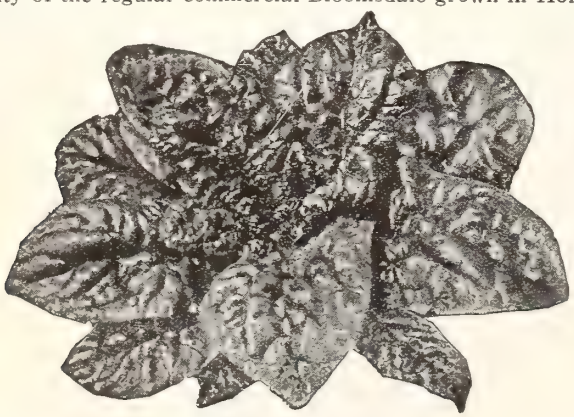
One ounce for 100 feet of drill. Sow ten to twelve pounds to the acre.

NEW ZEALAND—Grows large and produces a large quantity of leaves during the summer. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.**

VICTORIA—Dark green, crimped leaves. **Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 30c.**

NEW LONG SEASON—The best for spring sowing, because it will stand longer before running to seed than any other variety. **Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 30c.**

MANN'S RESELECTED BLOOMSDALE SAVOY—This new strain has been developed in response to the urgent demand on the part of large spinach growers for an improvement in the quality of the regular commercial Bloomsdale grown in Holland. The plants are large, heavy, uniform and in every way especially reselected to match the ideal Bloomsdale Savoy type. **Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 30c.**



Mann's Reselected Bloomsdale Savoy.

NEW SPRING—A valuable sort; its attractive dark green color, long-standing and hardy character make it desirable for both spring and late sowing. **Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 30c.**

VIRGINIA SAVOY (Blight Resistant)—This new spinach was originated by the Virginia Truck Experiment Station. It is the result of years of scientific work by the experiment station and has proved a great success the past three years. It is a decided improvement over Bloomsdale Savoy as its blight-proof qualities and correct habit of growth makes it more valuable. **Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 30c.**

Squash—Kurbis

Bush sorts, 1 ounce for 50 hills. Running varieties, 3 to 4 pounds, in hills, for an acre.

CULTURE.—After the weather is settled and warm, plant in hills 5 to 8 feet apart. Rich soil is best, but if necessary, the hills alone may be enriched.

EARLY WHITE BUSH SCALLOPED, or PATTY PAN—The best for early market use. Preferred for table. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

Early White Bush Scalloped Squash.

SUMMER CROOKNECK—Early, fine flavor; a desirable table sort. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

BENNING BUSH—Earlier than the White Bush; color very light shade of green; bush habit; very productive and attractive appearance. The improvement of the Benning Bush Squash over the old sort is quite distinct, in that it is earlier and has a very beautiful light shade of green color, in place of the creamy white which the older sort has. **Pkt. 5c, oz. 20c, ¼ lb. 40c, lb. $1.25.**

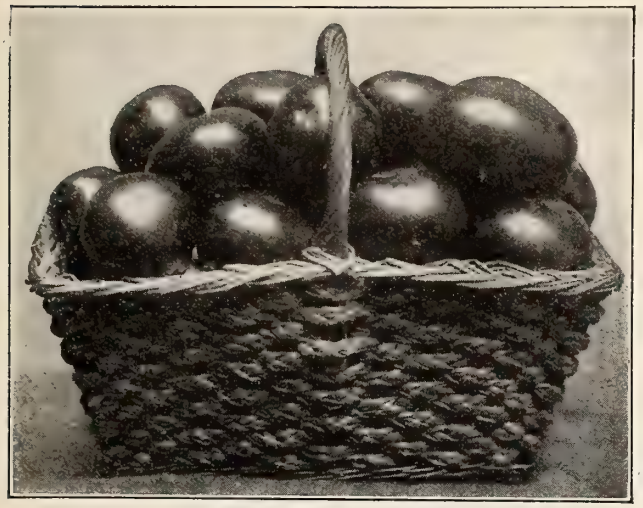
BOSTON MARROW—A splendid winter squash, of good keeping qualities. Flesh bright orange, fine grain and flavor unsurpassed. **Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

TRUE HUBBARD—A desirable sort, suitable for winter use. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. $1.00.

Use
HAMMOND'S SLUG SHOT
For Leaf-Eating Insects on Squash. Non-Poisonous.
1 lb. pkg.....25c 5 lb. pkg.....75c

SPECIAL PRICES IN LARGER QUANTITIES.
PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Tomato—Liebesapfel



Greater Baltimore Tomatoes.

LIVINGSTON'S BEAUTY TOMATO—The finest large-fruited early purple variety. A decided favorite for home market or shipping, being early, hardy, a strong grower, productive, large, always smooth, perfect shape and excellent in quality. **Pkt. 10c, oz. 40c, ¼ lb. $1.00, lb. $3.00.**

NORTON—This is a wilt-resistant variety developed by the United States Department of Agriculture. Resembles Stone in every way as regards shape, color, size, season, etc. It resists wilt to a remarkable degree. **Pkt. 10c, oz. 40c, ¼ lb. $1.00, lb. $3.00.**

PONDEROSA—It is the largest-fruited deep-colored tomato known; of very fine quality, solid, almost seedless and free from acid. **Pkt. 10c, oz. 40c, ¼ lb. $1.50, lb. $5.00.**

Mann's Beauty Tomato

(SPECIALTY, see page 3.)
The finest large-fruited, early-purple variety. A decided favorite for home market or shipping, being early, hardy, a strong grower. **Pkt. 15c, oz. 40c, ¼ lb. $1.25, lb. $3.50.**

DWARF STONE—Vine dwarf, but vigorous and productive. While maturing with later sorts, the bright red fruit is of good color, exceedingly smooth, very solid and the largest of any of the dwarf varieties. **Pkt. 10c, oz. 40c, ¼ lb. $1.00, lb. $3.50.**

"BONNY BEST" EARLY TOMATO—Enormously prolific, scarlet red, globe-shaped fruits, smooth and ripening evenly without cracking. **Pkt. 10c, oz. 40c, ¼ lb. 90c, lb. $2.75.**

NEW STONE—This variety has obtained great favor with canners and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape perfectly smooth and thicker from stem to blossom end than most varieties. **Pkt. 10c, oz. 40c, ¼ lb. 75c, lb. $2.00.**

MATCHLESS—One of the best main-crop tomatoes. The solidity, absence of core, size and color of the fruit, together with its freedom from rot, all unite in making this well worthy of the name of "Matchless." Fine both for private and market gardening and canning. **Pkt. 10c, oz. 40c, ¼ lb. $1.00, lb. $2.75.**

CHALK'S EARLY JEWEL—An extremely early variety of brightest scarlet color, deep fruited, very hardy and solid, with few seeds and of excellent flavor. The popular early variety. **Pkt. 10c, oz. 40c, ¼ lb. 90c, lb. $2.50.**

BREAK O'DAY—The earliest, disease resistant, globe shaped, scarlet fruited, meaty Tomato yet introduced. 10 to 12 days earlier than Marglobe, and very productive. Break o'Day will fill a long felt want for an early Tomato with the good qualities of the popular later sorts. It was developed by Dr. Fred J. Pritchard, senior Physiologist of the U. S. Dept. of Agriculture, and is a cross between Marglobe and Marvana, having the disease resistant quality of its parents. Fruits are of the Marglobe type. Excellent for home gardens or truck farmers. **Pkt. 10c, oz. 50c, ¼ lb. $1.25, lb. $4.00.**

Marglobe Tomato

EARLY WILT-RESISTANT VARIETY which originated from a cross between Marvel and Globe. This cross was made by an expert plant breeder of the United States Department of Agriculture, with the purpose in mind of developing an early type of wilt-resistant tomato. **Pkt. 10c, oz. 40c, ¼ lb. $1.00, lb. $3.50.**

GREATER BALTIMORE—An excellent main crop sort, producing large, solid smooth fruit of a brilliant red color. It ripens evenly to the stem and is entirely free from ridges. Used extensively by canners. **Pkt. 10c, oz. 40c, ¼ lb. 90c, lb. $2.75.**

PEAR-SHAPED YELLOW TOMATO—Handsome, bright, pear-shaped yellow fruit. **Pkt. 10c, oz. 40c, ¼ lb. $1.25.**

PLUM-SHAPED YELLOW TOMATO—Round and regular, bright yellow; used for pickling. **Pkt. 10c, oz. 40c, ¼ lb. $1.25.**

Turnip—Stockrube

EXTRA-EARLY PURPLE-TOP MILAN—Earliest turnip in cultivation; fit for use a week sooner than others. Suitable for spring or fall planting. **Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.**

PURPLE-TOP WHITE GLOBE—A standard white variety, with purple top, handsome globe-shaped and heavy cropper; leading turnip among truckers and gardeners. **Pkt. 5c, oz. 10c, ¼ lb. 20c. lb. 50c.**

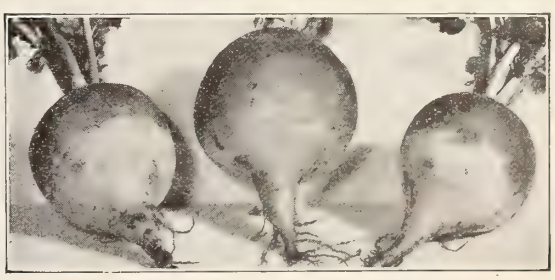
PURPLE-TOP STRAP LEAF—A white, flat, strap-leaf turnip, with purple top; mild flavor and very popular. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.**

YELLOW ABERDEEN—Hardy, good keeping turnip; yellow flesh and very productive. **Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.**

AMBER GLOBE—A good variety for general crop. Flesh solid and sweet; keeps well late in spring, grows large; fine for table or stock. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.**

IMPROVED AMERICAN PURPLE-TOP RUTABAGA—Very hardy and productive; flesh yellow, solid and sweet. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.**

SEVEN TOP—Cultivated extensively in the South for tops, which are used for greens. It is very hardy and will grow all winter, but does not produce a good root and is only recommended for the tops. **Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.**



Purple Top White Globe Turnip.

MANN'S SUPERIOR FLOWER SEEDS

Centaurea.

Our constant aim is to supply our customers with the very best domestic and imported strains obtainable. We spare no expense in our efforts to maintain the highest standard of quality. Our list contains those varieties which are most popular because of their beauty, usefulness, and ease of cultivation.

Annuals are those which attain full growth, bloom and die the same year, and are raised from seed exclusively.

Biennials attain full growth, bloom and die the second year from the planting of seed.

Perennials produce plants the first year, which with a few exceptions do not flower until the second year from planting of seed, after which they bloom every year and last several years.

The class to which each variety belongs is indicated as follows:

A. for Annuals, **B.** for Biennials, **P.** for Perennials.

10c PACKET. 12 PACKETS $1.00 POSTPAID, UNLESS OTHERWISE NOTED.

Carnation.

ASTERS (VICK'S). A.—Mixed. Of all garden flowers from seed, there is none that gives more satisfaction than the Aster. There is an early, medium and late sort now of rare beauty, so that you can have flowers from June until frost. Our sorts are the best. **Pkt. 10c, oz. 90c.**

ALYSSUM, SWEET (LITTLE GEM). A.—Of dwarf, compact habit, 4 to 6 inches in height. It begins to bloom when quite small, and the plants are a solid mass of white from spring to late in autumn. **Pkt. 10c, oz. 60c.**

AMARANTHUS (JOSEPH'S COAT). A.—Tricolor; a hardy annual with leaves of red and green; well known as "Joseph's Coat," the colors being especially brilliant if grown in rather poor soil. **Pkt. 10c, oz. 60c.**

ACROCLINIUM ROSEUM. A. — A pretty annual "Everlasting," growing about 15 inches high, bearing lovely white or rosy-pink flowers, which, when cut in the bud state, can be dried and used in winter bouquets. A nice thing to grow in a mixed border aside from its use as an everlasting. Double Mixed. **Pkt. 10c, oz. 50c.**

AGERATUM (FLOSS FLOWER). A.—One of the best bedding plants, being literally a sheet of bloom from early summer till frost. Unlike many bedding plants, their flowers are not liable to be spoiled by rain, nor do the colors fade out. The various blue varieties are without doubt the most satisfactory bedding plants of this color for our trying climate. Easily raised from seed, which is usually started in a hotbed or window and transferred to the open ground in May. Can also be sown outdoors in May. A sowing in September will give plants to bloom all winter. Dwarf Mixed. **Pkt. 10c, oz. 50c.**

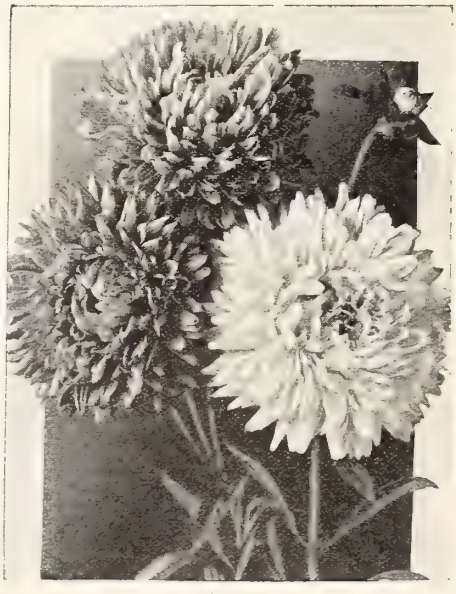
BALLOON VINE—Remarkable for its inflated membraneous capsules containing the seed. It is sometimes called "Love-in-a-Puff." A rapid and graceful climber. Flowers white. Tender annual; 6 feet high. **Pkt. 10c, oz. 25c.**

BALSAM (LADY'S SLIPPER, or TOUCH-ME-NOT). A. — Our Camellia-flowered strain produces the finest double blossoms, and is quite a revelation compared with the old varieties. Sow in rich soil for the finest blooms. **Pkt. 10c, oz. 60c.**

BALSAM APPLE (MOMORDICA BALSAMINA). A.—A rapid-growing vine producing apple-shaped fruits. **Pkt. 10c, oz. 50c.**

BRACHYCOME (SWAN RIVER DAISY). A. — Free-flowering, dwarf-growing annuals; covered during the greater part of the summer with a profusion of pretty blue or white flowers, suitable for edgings, small beds or pot culture; 9 inches. **Pkt. 10c, oz. $3.00.**

CALLIOPSIS, or COREOPSIS.—Very showy border plants, producing in great profusion and for a long time flowers which are bright yellow and rich brown, either self-colored or with these colors and red contrasted. **Pkt. 10c, oz. 35c.**



Aster.

CANDYTUFT. A.—Showy, branching plants, 6 to 18 inches high. Indispensable for cutting and very effective in beds or masses. If sown in spring will blossom from July to September, or in the fall will blossom from May to July. Hardy annual. Fine Mixed. **Pkt. 10c, oz. 40c.**

CARNATION, MARGUERITE. P. — The plants of this wonderfully fine strain may be made to flower in 4 months. The flowers are large, double and very fragrant, and appear in very attractive shades of color. One of the best "pinks" in cultivation. **Pkt. 10c, oz. $1.00.**

CALENDULA (POT MARIGOLD). A. —This is the "Marygold" of Shakespeare's time; one of the best and showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, particularly bright in late fall, continuing to bloom from early summer until killed by frost; valuable also for pot culture; blooming freely in winter and early spring. **Pkt. 10c, oz. 25c.**

CENTAUREA (BACHELOR'S BUTTONS). A.—Popular Everlastings, bearing hundreds of cloverlike heads of different colors. Useful also for bedding and borders. **Pkt. 10c, oz. 35c.**

CASTOR BEAN, or RICINUS. A.—Tall, majestic plants for lawns, with leaves of glossy green, brown or bronzed metallic hue and long spikes of scarlet, or of green, prickly fruit. Of very quick growth in rich soil. Tender annual. 6 to 15 feet high. **Pkt. 10c, oz. 15c.**

CAMPANULA (CANTERBURY BELLS).—This old-fashioned flower is a favorite with all. Stately and showy, and of the easiest culture. The seeds should be sown about April, in finely prepared, rich soil. Hardy Biennial. **Pkt. 10c.**

COCKSCOMB DWARF MIXED. A.—Showy dwarf growing plants bearing large velvety combs. If the combs are cut before frost they may be dried and used for winter decoration. **Pkt. 10c, oz. $1.25.**

Cosmos.

COSMOS. A.—Of all fall flowers there is none that has become so popular as Cosmos. Sow the seed in March, April and May, and will bloom in September. Does best in light, rich soil, in sunny places; grows about 7 feet high. Flowers are borne on long stems in clusters of pink, dark pink and white colors. Fine for house and church decorations. **Pkt. 10c, oz. 50c.**

MORNING GLORIES, or CONVOLVULUS.—The Morning Glory is too well known to need a description. Succeeds under almost all circumstances. Hardy Annual.

Morning Glories (Convolvulus Major).—Climbing varieties, mixed. **Pkt. 10c, oz. 15c.**

Imperial Japanese or Emperor Morning Glories.—The flowers are of gigantic size and their colors range from snow-white to black-purple, with all the possible intermediate shades. **Pkt. 10c, oz. 25c.**

CYPRESS VINE. A.—A most beautiful climber with delicate dark green feather foliage and an abundance of bright star-shaped rose, scarlet or white blossoms which contrast most effectively with the graceful foliage. Tender annual; about 15 feet high. Mixed. **Pkt. 10c, oz. 35c.**

CATCHFLY, SILENE. A.—The varieties offered below are very pretty, well adapted for the rockery or the front of the hardy border. Glistening white flowers in July and August. **Pkt. 10c, oz. $2.00.**

COLUMBINE, AQUILEGIA. P.—The Aquilegias are fine, free-flowering, hardy border plants. Seed may be planted in the open ground early in the spring, and will, in the case of single varieties, bloom same season. Best results are obtained by planting in August, when they will come up early in the spring, making vigorous plants, blooming during late spring and early summer. **Pkt. 10c, oz. 50c.**

SHASTA DAISIES (CHRYSANTHEMUM LEUCANTHEMUM). P.—A splendid hardy perennial variety with flowers rarely less than 5 inches across, of the purest glistening white, with broad overlapping petals, and borne on long strong stems; a beautiful cut flower, remaining in good condition a week or more. **Pkt. 10c, oz. $2.25.**

CHRYSANTHEMUMS, CORONARIUM, DOUBLE MIXED. P.—Yellow, white, etc. **Pkt. 10c, oz. 25c.**

CLARKIA, PULCHELLA. A.—This pretty and easily-grown annual has been much improved in recent years. They do well either in sun or shade, growing 2 to 2½ feet high, with leafy racemes of double flowers, which all open in water when cut. **Pkt. 10c, oz. 75c.**

DIANTHUS, PINKS. B.—Double Japan Mixed (Chinensis Laciniatus). — The flowers are rich in hue; very double, deep-fringed petals. Colors vary from white to rose, lilac, carmine, crimson, scarlet, purple, brown and almost black, spotted and striped. Mixed. **Pkt. 10c, oz. 50c.**

DATURA, CORNUCOPIA (TRUMPET FLOWER). A.—A grand annual plant. The flowers average 8 inches long by 5 inches across; French white inside, purple outside; delightfully fragrant. Started early, will flower from early summer until fall. **Pkt. 10c, oz. 75c.**

DIGITALIS (FOXGLOVE). P.—Grows to the height of 3 or 4 feet, affording dense spikes of brilliantly-colored flowers, which are terminal and half as long as the height of plant. Colors white, lavender and rose. A valuable flower in every perennial garden; does not usually blossom until the second year. Hardy biennials or perennials. **Pkt. 10c, oz. 75c.**

DAISY, ENGLISH (BELLIS). P.—A favorite perennial, which will stand the winter if given the protection of a little litter. In bloom from early spring until well on in the summer. **Pkt. 10c, oz. $1.75.**

EUPHORBIA (SNOW-ON-THE-MOUNTAIN). A.—Strong-growing annuals, suitable for beds of tall-growing plants, or mixed borders; the flowers are inconspicuous; the foliage, however, is exceedingly ornamental. Attractive foliage; veined and margined with white; 2 feet. **Pkt. 10c, oz. 30c.**

FOUR O'CLOCK (MARVEL OF PERU). A.—The plants are large, and each needs 3 or 4 feet of space each way for its best development. The flowers are funnel-shaped, white, red, yellow or striped with these colors and open about 4 o'clock in the afternoon. **Pkt. 10c, oz. 25c.**

FORGET-ME-NOT (MYOSOTIS). P.—A favorite old-fashioned flower, bearing in profusion clusters of blue blossoms. It thrives well in the shade or open border. Hardy perennial. **Pkt. 10c, oz. 90c.**

GAILLARDIA (Blanket Flower), Double Mixed. A.—Gorgeously colored annuals, flowering in great profusion throughout summer and fall. **Pkt. 10c, oz. 75c.**

GYPSOPHILA (BABY'S BREATH). A.—Pretty, free-flowering, elegant plants, succeeding in any garden soil. Their misty white panicles of bloom are largely used for mixing with other cut-flowers. **Pkt. 10c, oz. 25c.**

GODETIA. A.—Useful for beds or mixed borders, these beautiful annuals are at home in practically any soil. The flowers are cup-shaped and may be had in many lovely colors, blooming all summer. **Pkt. 10c, oz. 50c.**

GOURD (CUCURBITA). A.—A tribe of climbers with curiously shaped and colored fruit. Being of rapid growth, they are fine to cover old fences, trellises, stumps, etc. Tender annual; 10 to 20 feet high. **Pkt. 10c, oz. 25c.**

HELICHRYSUM (STRAW FLOWER) MONSTROSUM. — Everlasting flowers, large and full. Colors, white, yellow and red. Cut before the flowers fully expand. Hardy Annual. Mixed. **Pkt. 10c, oz. 60c.**

KOCHIA (SUMMER CYPRESS, BELVEDERE OR BURNING BUSH).—Forms regular pyramids about 3 feet high, having a cypress-like appearance. The leaves are light green until September, when they change to carmine and blood red. Sow indoors in April and plant out in May, or sow in open ground about May 1st. Hardy Annual. **Pkt. 10c, oz. 25c.**

HELIOTROPE. P.—Highly valued for the fragrance of their flowers and duration of bloom. Half-hardy perennial, blooming the first year from seed. Dark varieties. Mixed. **Pkt. 15c, oz. $2.00.**

HOLLYHOCK. P.—The most majestic of hardy plants of the garden. When planted in rows in the garden or among shrubbery the effect is beautiful. **Pkt. 10c, oz. $1.00.**

HYACINTH BEAN (DOLICHOS). A.—A free-growing climber with heavy foliage and large sprays of white and purple flowers. **Pkt. 10c, oz. 25c.**

Kochia.

Mignonette.

LOBELIA. P.—This dwarf and trailing variety is fine for bedding, borders or hanging baskets; blooms profusely from June until November. **Pkt. 10c, oz. $1.50.**

LARKSPUR (DELPHINIUM). A.—An old-fashioned very choice, especially hardy annual, which increases in beauty each year. **Pkt. 10c, oz. $2.50.**

LARKSPUR. A.—This is one of the best known of garden flowers. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July. Hardy Annual. **Pkt. 10c, oz. 50c.**

LYCHNIS (Burning Star). P.—A fine perennial, useful for the mixed border. Flowering freely in early summer and almost continuously if the old flower spikes are regularly removed. The flowers are very striking and showy in shades of brilliant orange, scarlet, crimson, etc. **Pkt. 10c, oz. $3.00.**

MARIGOLDS

DOUBLE AFRICAN MARIGOLDS. A.—Splendid for beds or borders; the tall varieties grow about 3 feet high, the dwarf sorts 18 to 24 inches. **Pkt. 10c, oz. 60c.**

DWARF SINGLE FRENCH MARIGOLD. A.—Legion of Honor (Little Brownie). A single flowering Marigold, forming compact bushes 9 inches high. Begins flowering early, commencing in June, continuing until frost. **Pkt. 10c, oz. 60c.**

MIGNONETTE. A.—Few ladies would think that a garden was complete without Mignonette. For fragrance and beauty there are few flowers that are as universally admired. **Pkt. 10c, oz. 40c.**

MOON FLOWER (IPOMEA GRANDIFLORA). A.—At night and dark days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. It grows very rapidly, and will cover a very large surface. **Pkt. 10c, oz. 50c.**

NIGELLA ("LOVE IN A MIST"). A.—An unusual and attractive flower. Will stand hot weather and drought. **Pkt. 10c, oz. 30c.**

NASTURTIUM, GOLDEN GLEAM—A new double sweet-scented Nasturtium. Large, golden yellow flowers, averaging 2½ to 3 inches across, are borne in the greatest profusion well above the foliage on erect 6-inch stems. A marvelous flower for garden display and cutting. **Pkt. 25c, oz. $1.00.**

NASTURTIUM, TALL SORTS. A.—Mixed. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

NASTURTIUM, DWARF SORTS. A.—Mixed. **Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.**

PHLOX DRUMMONDI. A. — Very hardy annuals, unequaled in the magnificent display of their many and brilliantly colored flowers. **Pkt. 10c, oz. $1.00.**

PHLOX. Mixed. P.—A fine mixture of the perennial varieties. **Pkt. 10c, oz. $2.50.**

PANSIES. A. B.—Our selection of this well-known flower is, we believe, the best that is offered anywhere for size, variety and beauty, and have no equal. **Pkt. 10c, oz. $1.50.**

Roggli Giant (Swiss Pansy) (New). Flowers of enormous size and with overlapping petals; many brilliant colors and shades, making a wonderful combination, excellent for greenhouse culture. **Pkt. 25c.**

PORTULACA. A.—There are few flowers in cultivation that make such a dazzling display of color in the bright sunshine as a bed of portulacas. They are in bloom from about the first of July until killed by frost in autumn. Fine Mixed. **Pkt. 10c, oz. 70c.**

POPPY (PAPAVER), CARNATION FLOWERED. A.—Well-known hardy annuals and perennials. **Pkt. 10c, oz. 50c.**

POPPY (IMPROVED SHIRLEY). A.—Mixed. **Pkt. 10c, oz. 50c.**

ORIENTAL POPPIES, MIXED. P.—These are always popular in any perennial bed. **Pkt. 10c, oz. $1.50.**

PETUNIA (Rosy Morn). A.—Soft rose pink with a white throat. **Pkt. 10c, ⅛ oz. 70c.**

PETUNIAS. A.—For outdoor decoration, porch or window boxes, few plants equal the Petunia in effectiveness. **Pkt. 10c, oz. $1.00.**

PYRETHRUM (Painted Daisy). P.—One of our best hardy plants, bearing in great profusion in early summer beautiful large daisy, or cosmos-like flowers in colors ranging from pure white through shades of pink and rose to deep crimson. Unsurpassed for cutting. **Pkt. 10c, oz. $2.25.**

SALPIGLOSSIS, LARGE-FLOWERING (PAINTED TONGUE). A.—These are one of the very finest annuals and are of the easiest culture, succeeding in any good ordinary soil. **Pkt. 10c, oz. $1.00.**

SCARLET RUNNER. A.—The well-known rapid-growing annual climber, with bright red flowers from July to September. **Pkg. 10c, ¼ lb. 15c, lb. 50c.**

SCABIOSA (Mourning Bride). A.—Well known garden favorite, flowering freely from midsummer until frost. The handsome double flowers are borne on long stems, thus adding to their value as cut flowers. The colors range from pure white through shades of pink and red to blue and black maroon. **Pkt. 10c, oz. 60c.**

SWEET WILLIAM. P.—A very beautiful class of easily grown and very hardy plants of extreme richness and diversity of colors, deliciously sweet-scented. Hardy perennials; about 1 foot. **Pkt. 10c, oz. 60c.**

SNAPDRAGON, ANTIRRHINUM. P.—This is a well-known and valuable plant, bearing long spikes of many colored flowers throughout the season. Fine for cutting as well as garden display. **Pkt. 10c, oz. $1.00.**

STOCKS, CUT-AND-COME-AGAIN. A.—Splendid perpetual-blooming class; sown in March or April they begin flowering in July, continuing till frost, and are especially valuable during September and October. **Pkt. 10c, oz. $1.25.**

Petunia.

Giant Spencer Sweet Peas

10c PACKET, 12 PACKETS $1.00 POSTPAID UNLESS OTHERWISE NOTED

SPENCER'S CHOICE COLORS MIXED

Austin Frederick. Giant Lavender.
Blanche Ferry. Pink and White.
Commander Godsall. Violet Blue.
Constance Hinton. Giant White.
Crimson King. Deep Red.
Dobbies Cream. Deep Primrose.
Elfridge Pearson. Giant Shell Pink.
Fiery Cross. Bright Red.
King Edward. Deep Crimson.
Margaret Atlee. Rosy Salmon.
Picture. Deep Pink.
Royall Scott. Scarlet.
Pkt. 10c, oz. 25c, lb. $2.25.

ECKFORD'S MIXED SWEET PEAS—Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00.

SALVIA (Scarlet Sage). A.—**Bonfire.** A fine variety, 2 feet high; forms a dense compact bush; is a heavy bloomer, having brilliant scarlet flowers. **Pkt. 10c, oz. $2.50.**

SALVIA SPLENDENS (SCARLET SAGE). A.—Large, brilliant scarlet flowers are in these plants afford a rich dark green background of dense foliage. This variety is most generally used in parks and on extensive lawns. **Pkt. 10c, oz. $2.00.**

VERBENA. A.—Plant produces a mass of flowers from spring to late fall. Our strain is as fine as the world produces. Large flowers and free blooming. **Pkt. 10c, oz. $1.25.**

Sweet Peas.

VINCA (PERIWINKLE). A.—These are very bright annuals with dark glossy green leaves and large showy flowers, and should be included in every garden. The compact plants grow 15 inches tall. They are excellent for beds, borders and window boxes. **Pkt. 10c, oz. 75c.**

WALLFLOWER. P.—Well known, very fragrant garden plant, blooming early in the spring, with large, conspicuous spikes of beautiful flowers; prized for bouquets. **Pkt. 10c, oz. 50c.**

ZINNIAS, GIANT. A.—One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling in beauty and size and form moderate-sized dahlias. Choice Mixed. **Pkt. 10c, oz. $1.00.**

DOUBLE DAHLIA - FLOWERED ZINNIAS. A.—This type, the latest development in Zinnias, bears flowers of mammoth size and in form like a perfect decorative Dahlia. As the result of painstaking care and selection the size, form and coloring has been much improved and we now offer Finest Mixed. **Pkt. 10c, oz. $1.50.**

LILLIPUT or Pompom Zinnias. A.—Mixed. The best zinnia for bedding. About 12 inches high, bearing small double flowers of distinct colors. **Pkt. 10c, oz. $1.00.**

BULBS FOR SPRING PLANTING

CHOICE SELECTED DAHLIAS

KALIF—A handsome variety producing giant flowers on long stiff stems. Color pure scarlet. **Each 25c, doz. $2.50.**

WHITE SWAN—Pure white, the standard commercial Ball Dahlia. A strong grower and free bloomer. **Each 25c, doz. $2.50.**

DELICE—Large flower with long stems, very fine for cutting, color clear bright rose-pink. **Each 25c, doz. $2.50.**

SYLVIA—Deep pink with white center. A showy variety. Fine for cutting. **Each 25c, doz. $2.50.**

SNOWDRIFT—Snow white. **Each 25c, doz. $2.50.**

MRS. I. DE. VER WARNER—Immense flowers on long stems, are of perfect form and of a lovely mauve pink color; early and free bloomer. **Each 25c, doz. $2.50.**

MIXED DAHLIAS—A splendid mixture of many fine varieties. **Each 10c, doz. $1.00.**

Canna.

CHOICE CANNAS

THE PRESIDENT—This is described best when said to combine all the good qualities of Fire Bird with none of its faults. Blooms are pure crimson and foliage deep green. Height 4 to 5 feet. **Each 10c, doz. 75c.**

KING HUMBERT—The most popular of cannas. Gigantic orange scarlet trusses with red markings. Foliage deep coppery bronze; 5 feet tall. **Each 10c, doz. 75c.**

LOUISIANA—Strong, vigorous, vivid scarlet flowers, the largest and finest of their color; 7 feet tall. **Each 10c, doz. 75c.**

CALADIUM or ELEPHANT'S EARS

MAMMOTH BULBS—Each 25c.
LARGE BULBS—Each 15c.

TUBEROSES

REGULAR GRADE—Doz. 35c.

GLADIOLI

NEW AND CHOICE NAMED VARIETIES—The Gladiolus is one of the most decorative plants in the garden and as a cut flower lends itself readily to any arrangement. If the spikes are cut when the lowest flower is in bloom, the others will open in succession and remain fresh a week or ten days.

GOLDEN MEASURE — Pure golden yellow; very large flowers of good substance; robust grower and considered the best yellow on the market; a super-glad. Doz. 60c.

CRIMSON GLOW — Glowing velvety crimson, shaded deeper in the center; tall strong grower, flowers well placed; considered the best in its color. **Doz. 50c.**

MRS. DR. NORTON — Silvery white base tinged with pink deepening towards the edges of the petals, creamy blotches in throat on lower petals; tall, vigorous grower, splendid cut flower. **Doz. 50c.**

EVELYN KIRTLAND — Very warm rose pink, deeper at the edges of the petals shading towards shell pink in the center, brilliant scarlet blotches on the lower petals; strong stem, making it one of the most desirable varieties for cutting. **Doz. 50c.**

MRS. FRANK PENDLETON — Deep rose pink shading to pale pink in throat, large bright crimson blotches on lower petals, giving it a striking appearance; tall vigorous grower, extra cut flower. **Doz. 50c.**

PURPLE GLORY, RUFFLED—Deepest velvety maroon with almost black blotches; very large tall plant; a real giant in all respects. **Doz. 60c.**

Rainbow Mixture Gladioli.

ANNA EBERIUS—An extra fine variety; color rich velvety purple with a deep purplish red blotch on the lower petals; flowers large, on long spikes. **Doz. 50c.**

BARON HULOT — Large full flowers, well arranged on long spikes. Color is a deep indigo blue, slightly marked white at the base of the throat. **Doz. 75c.**

NIAGARA—A beautiful shade of rich cream with blending of yellow on inside of lower petals, throat splashed carmine; the individual flowers are very large and are borne in pairs, one opposite the other. **Doz. 50c.**

FLAMING SWORD—A beautiful bright red variety; early bloomer; four to six open at the same time. **Doz. 50c.**

JOE COLEMAN — Very bright red, carmine blotch; very attractive, ruffled flowers, many open at a time, strong grower and good propagator. **Doz. 50c.**

PEACE—Immense pure white flowers with a touch of carmine in the lower petals. These are borne on tall, graceful spikes; a beautiful and exceedingly refined variety. **Doz. 50c.**

MRS. FRANCIS KING — Vermilion scarlet. An old favorite because of its brilliancy. **Doz. 50c.**

AMERICA—The beautiful lavender pink flowers are borne on long stems and are firmly placed on the spike. **Doz. 50c.**

MANN'S RAINBOW MIXTURE—Contains only finest named sorts of our list. This gives a wide range of color and markings. We mix them ourselves and feel convinced they will please the most critical. **Doz. 40c.**

A Garden, whether large or small, is something you should have for health and pleasure.

WHAT A DIFFERENCE A FEW OF THESE MAGIC TABLETS MAKE

Picture a plant—struggling gallantly but vainly—in a feeble, fruitless search to find food in soil that contains none. Faded, drooping, flowerless, you call it a failure. But is it?

A few of the magic plant food tablets called Plantabbs would have made this pathetic little plant a big success!

We now sell and recommend Plantabbs. Odorless, clean, easy to use, they're Trojans for work. A forkful of stable manure won't do as much for your plants and flowers as one of these concentrated, odorless white tablets! As they dissolve in water almost instantly, they make a wonderful liquid fertilizer, and when used in this way make the most wornout soil rich and fertile **overnight.**

PLANTABBS are so perfectly balanced, so chuck full of growth producing, health giving, energizing plant food, that many florists and professional growers purchase them in quantities for their own use.

A season's supply for your garden costs only $3.50; other sizes sufficient for potted plants, sell for $1.00, 50c and 25c per package. Include in your next order:

Guaranteed to improve your plants

KOPPERS

KOPPERS PLANT FOOD

A highly concentrated plant food, easy and economical to use. Holds in check the worst lawn weeds—plaintain, buckthorn, dandelion, crab grass and chick weeds. Is odorless and clean. Will not injure hands or clothing in any way. Contains 25¼ per cent ammonia, which means 20¾ lbs. nitrogen to every 100 lbs. **26-oz. cartons, 20c; 5-lb. canisters, 50c.**

STIM-U-PLANT

An All-the-Year Fertilizer for Garden and House Plants

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for the purpose is STIM-U-PLANT, an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent Nitrogen, 12 per cent Phosphoric Acid, 15 per cent Potash. The proportions **25c pkg., 75c pkg., $3.50 1,000 tablets.**

SEED INOCULATION

STIMUGERM
LEGUME INOCULATION

The Best Inoculation for All Legume Seeds Means Better Crops, Better Soils, Less Fertilizer Expense.

Alfalfa, Clovers, Soybeans, Cowpeas, Vetch, Peanuts, all thrive into bumper crops when properly inoculated with STIMUGERM pure-bred cultures.

Nodules with Nitrogen worth their weight in gold.

WHAT STIMUGERM JELLY IS

STIMUGERM JELLY is a pure culture of nitrogen fixing bacteria, selected for maximum vitality and ability to transform nitrogen from the air into soluble nitrates and deposit them in the soil.

EVERY BOTTLE IS DATED and guaranteed for one year.

PRICES ARE LOW

Alfalfa and Mixed Clovers		Soy Beans, Vetch, Beans, Peas, and Cow Peas	
½ bushel unit	$ .35	1 bushel unit	$ .35
1 bushel unit	.65	2 bushel unit	.65
2½ bushel unit	1.40	5 bushel unit	1.40

Jelly Medium

NURSERY STOCK

Prices quoted are f. o. b. Washington. No charge for packing. We ship only first-class stock, but there are so many conditions on which successful growth is dependent, and over which we have no control, that we cannot guarantee nursery stock to live. **Nursery stock will be shipped by express or freight separate from seed orders.**

HARDY EVERGREENS

Cannot be Mailed.

AMERICAN ARBORVITAE — Strong, erect, pyramidal in growth, and can be trimmed to any desired shape. Attractive grown singly or as a hedge; does well under adverse conditions. **2 to 3 feet, $1.25 each; 3 to 4 feet, $1.75 each.**

GLOBE ARBORVITAE—Almost a perfect globe; the foliage is light green and very attractive; usually grown as single plants. **12 to 15 inches, $1.00 each; 15 to 18 inches, $1.25 each.**

DEODORA CEDAR—Popular trees for lawns or for blending in clumps with dark-leaved evergreens. The foliage is silvery green, the branches drooping and very graceful. **18 to 24 inches, $1.75 each; 2 to 3 feet, $2.50 each.**

RETINOSPORA (Veitch's Silver Cypress)—Beautiful silvery blue feathery foliage. Dense growth; pyramidal shape; fine for grouping, especially when grown against dark green foliage. **12 to 18 inches, $1.00 each; 18 to 24 inches, $1.25 each.**

NORWAY SPRUCE — An extremely hardy and rapid grower of symmetrical growth, picturesque and graceful. Makes a fine hedge, as it can be pruned to any desired height; also a splendid screen and windbreak. **18 to 24 inches, $1.00; 24 to 30 inches, $1.25 each.**

BROAD-LEAVED EVERGREENS

Cannot be Mailed.

ABELIA GRANDIFLORA—A graceful shrub with dark shining dart-shaped leaves that turn to a metallic green in winter. From June till frost it bears in clusters an abundance of dainty white tubular flowers about one inch long that are flushed with pink. Grown as a single specimen, in groups or with other shrubs it is most satisfactory. Plant in a sunny location. Sometimes called Arbutus Shrub. **12 to 18 inches, 50c each; 18 to 24 inches, 75c.**

AZALEA, AMOENA—Dwarf and bushy with small green leaves that turn a rich bronze green in winter. In April or May the plants bear a mass of rosy purple flowers that almost cover every twig. Easily grown; a very showy and hardy shrub. **10 to 12 inches, $1.50 each.**

BUSH BOXWOOD—Popular for edging walks and driveways. It has small dark green glossy leaves. Thrives anywhere, in sun or shade, grows well in window and porch boxes, and may be trimmed to any shape. **12 to 15 inches, 75c each; $7.50 per doz.; 15 to 18 inches, $1.25 each; $12.50 per doz.**

DWARF BOXWOOD—The real old-fashioned kind; a slow growing but very attractive variety that always remain dwarf. The foliage is small, deep green and very dense. **4 to 6 inches, 25c each; $2.00 doz.; $15.00 per 100. 6 to 8 inches, 40c each; $4.00 doz.; $30.00 per 100.**

ENGLISH LAUREL — Very beautiful with its broad shining dark green foliage; a vigorous grower and thrives in any good garden soil. Attains a height of 12 to 15 feet, with a corresponding breadth. **12 to 18 inches, $1.25 each; 18 to 24 inches, $1.50.**

FLOWERING SHRUBS

If to be sent by mail add 10c each to cover postage.

ALTHEA (Rose of Sharon) — Blooms abundantly from July to September when blooms are scarce. The shrub is tall and upright and splendidly adapted for screens, hedges and shrub borders. We can supply red and pink. **2 to 3 feet, 30c each; $3.25 per dozen. 3 to 4 feet, 40c each; $4.35 per dozen.**

Buddlei, or Butterfly Bush.

BARBERRY THUNBERGI (Japanese Barberry) — Attractive whether grown singly or as a hedge. The spray-like branches carry great quantities of small green foliage which changes to bright red in the fall. During the winter it bears a mass of attractive bright red berries which remain all winter. **12 to 18 inches, 20c each; $2.00 per doz. 18 to 24 inches, 30c each; $3.00 doz.**

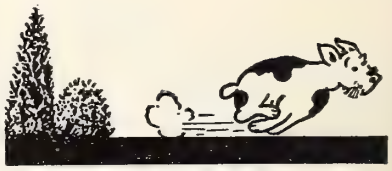
BUDDLEI, or BUTTERFLY BUSH—A rapid growing shrub with long graceful spikes of delightfully fragrant flowers that are borne all summer. The top growth may freeze during severe winters, but it starts growth again in the spring. Cut away the dead wood. **Davidi Superba, 2 to 3 feet, 30c each; $3.00 per dozen. 3 to 4 feet, 40c each; $4.00 per dozen.**

CARYOPTERIS (Blue Spirea)—One of our best late blooming shrubs that in the fall is covered with clusters of showy, bright blue flowers. Grows 3 feet high; free flowering and makes a splendid low growing hedge. **12 to 18 inches, 35c each; $3.50 per dozen.**

CORNUS, or DOGWOOD—The shrub that should be in every Southern yard.

Florida Rubra—The deep pink flowered variety. **2 to 3 feet, $1.75; 3 to 4 feet, $2.00 each.**

CREPE MYRTLE—The best beloved Southern shrub and deservedly so. Hardy in the South, producing clusters of



"DOGZOFF"

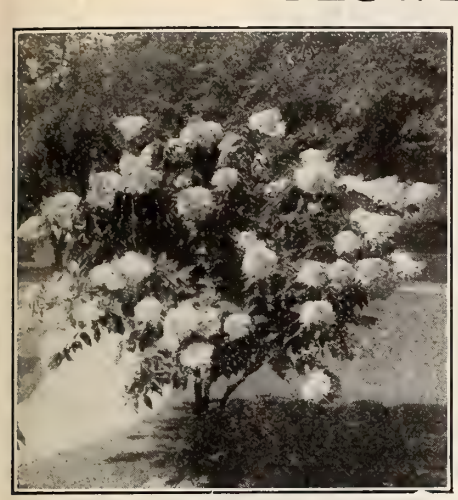
If you are bothered with dogs, cats or rabbits, "Dogzoff" is the spray you need. It is a most efficient animal repellant and one spraying will last from three to four weeks. Not poisonous to plants and will not injure animals. Not offensive to humans. Its use is guaranteed to keep these animals from any place where they are not wanted.

"Dogzoff" is applied with any small insect sprayer and one application usually does the work.

"Dogzoff" will save its cost many times over around the garden and home.

PRICE FOR SEASON'S SUPPLY **69c** PRE-PAID

FLOWERING SHRUBS—Continued



Hydrangea.

delicately fringed flowers throughout the summer. It is usually grown as a single specimen, but makes a charming hedge. **Pink and Lavender—18 to 24 inches, 50c each; $5.00 per dozen; 2 to 3 feet, 75c each; $7.50 per dozen. Red—18 to 24 inches, 50c each; $5.00 per dozen. 2 to 3 feet, 75c each; $7.50 per dozen.**

CYDONIA (Japanese Quince)—In April or May the brilliant scarlet flowers bloom profusely. Grows about 8 feet high, spreading with glossy leaves. **18 to 24 inches, 35c each; 2 to 3 feet, 50c.**

FLOWERING CRAB (Bechtel's Double)—An exceptionally fine late blooming shrub that bears long double pink fragrant blooms that resemble miniature roses. Neat, shapely, symmetrical and very hardy. **4 to 5 feet, $1.50 each.**

FORSYTHIA, or GOLDEN BELL—Even before its leaves appear forsythia yields a mass of brilliant yellow bell-shaped blooms. Grows 8 to 10 feet and very hardy.

Intermedia—The earliest bloomer. **2 to 3 feet, 30c each; $3.00 per dozen.**

Viridissima—Deep yellow flower. **2 to 3 feet, 30c each; $3.00 per dozen.**

HYDRANGEA — Effective whether grown singly, in groups or in tubs; bears a wealth of bloom.

Paniculata Grandiflora—The hardy variety. In July it yields immense panicles of white blooms that later change to rose, and last for weeks. **18 to 24 inches, 50c each; $5.00 per doz. 2 to 3 feet, 60c each; $6.00 dozen.**

SPIREA—Showy free flowering shrub of real value. Plant in moist soil with a sunny exposure.

Anthony Waterer—Dwarf; very dense with bright crimson flowers. Blooms freely, especially in late summer. **18 to 24 inches, 35c each; $3.50 per dozen. 2 to 3 feet, 50c each; $5.00 per dozen.**

Van Houttei—Forms a compact graceful bush with arching branches that are covered from end to end with pure white blooms in May and June. **2 to 3 feet, 35c each; $3.50 per dozen. 3 to 4 feet, 50c each; $5.00 per dozen.**

Thunbergii—A beautiful shrub with numerous slender branches forming a dense, feathery bush 3 to 5 feet high. The pure white flowers, borne in masses, cover the plant like a mantle of snow. **18 to 24 inches, 35c each; $3.50 per dozen; 2 to 3 feet, 50c each; $5.00 per dozen.**

SYRINGA or LILAC (Vulgaris)—Both ornamental in the garden and for cutting. One of the most beautiful and fragrant spring flowering shrubs. **2 to 3 feet, 50c each; $5.00 per dozen. 3 to 4 feet, 75c each; $7.50 per dozen.**

VIBURNUM Opulus (Snowball)—Sometimes called High Bush Cranberry. Bears white flowers in May and June, followed by bright scarlet berries that hang on in winter. **18 to 24 inches, 35c each; $3.50 per dozen. 2 to 3 feet, 50c each; $5.00 per doz.**

WEIGELA—Hardy free flowering shrub producing great masses of bloom in late spring and early summer. **2 to 3 ft., 50c each; 3 to 4 ft., 75c each.**

HEDGE PLANTS

PRIVET—The most popular of all hedges. Set 6 inches apart.

CALIFORNIA—An upright grower with glossy green foliage. Succeeds under the most adverse conditions. **18 to 24 inches, $5.00 per 100; $40.00 per 1,000.**

STRAWBERRY PLANTS

BEAUTY—A large round berry of a bright red color, an easy berry to grow and worth space in your garden. **$8.00 per 1,000.**

GANDY—A very late variety; excellent quality and very firm. Gandy should be planted on low springy soil to do its best. **$7.00 per 1,000.**

PREMIER—The most popular early berry ever introduced. Covers a long season of ripening berries of large uniform size and color. **$7.00 per 1,000.**

MASTODON—The wonderful everbearing Strawberry. By planting this berry with proper care, you can have Strawberries from early summer until late fall. A berry that you should include in your garden. The berries are a beautiful red color, very firm and juicy. **$12.00 per 1,000.**

Note.—Should you wish a good late crop of Mastodon you should keep all the blossoms picked off until July 1st then let them fruit the balance of the summer and fall.

GRAPE VINES

All varieties 30c each; $2.50 per dozen.

CATAWBA—The bunches and berries are large; dark copper color when ripe; sweet with a pleasant musky flavor.

CONCORD—Succeeds everywhere; very productive; the bunches large and compact; berries large and black.

NIAGARA—Bunches very large and compact; berries large, light greenish white; skin thin but tough; tender and sweet.

SHADE TREES

CATALPA, Bungei—The Globe Headed Catalpa; the straight stems and symmetrical rounded head resemble an umbrella. **2-year heads, 5-foot stems, $1.25 each.**

DOGWOOD or CORNUS—See Flowering Shrubs.

MIMOSA—An ornamental tree with spreading branches and feathery foliage; low growing. **5 to 6 feet, $1.25 each.**

LOMBARDY POPLAR—A tall, quick growing tree that branches low. Grows 30 feet or more, but the height can be controlled by cutting back the tops every few years. **6 to 8 feet, 65c each; $6.50 per doz. 8 to 10 feet, 75c each; $7.50 per dozen.**

California Privet.

ROSES FOR YOUR GARDEN

Mme. Butterfly.

HARDY ROSES

Strong 2-year-old field grown.

Monthly or Tea Roses

Prices unless otherwise noted—
49c each. If by mail, 60c each.

COLUMBIA—One of the most popular roses, being a vigorous grower and very free flowering. The flowers are of a pleasing shade of rose pink, large, fragrant and perfect in form.

ETOILE DE FRANCE—Crimson with darker shading; very free flowering and fragrant.

FRANCIS SCOTT KEY—Large double flowers of rich crimson-red; a strong grower and very free flowering.

JONKHEER J. L. MOCK—A favorite with hundreds of Rose lovers. The flowers are large and of more than ordinary beauty. The deep imperial pink on the outside of the petals and the shining silvery pink on the inside make a double colored bloom.

KAISERIN AUGUSTA VICTORIA—The blooms are large and full; color soft creamy white tinted with lemon.

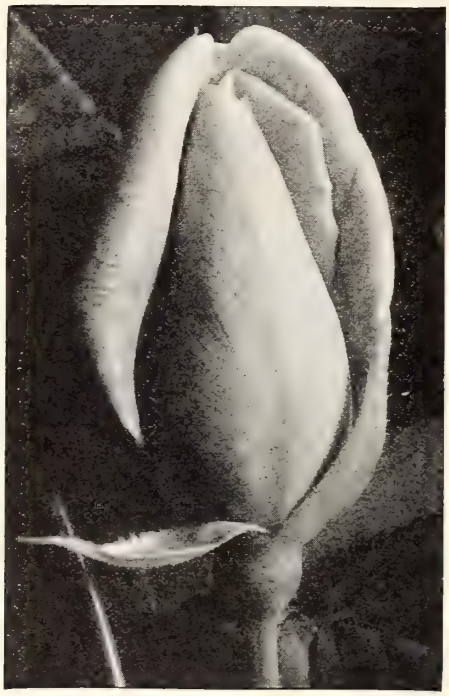
LOS ANGELES—One of the finest Roses ever introduced. In color a luminous flame pink toned with coral and shaded with translucent gold at the base of the petals. The buds are long, pointed and extend into a flower of mammoth proportions. The growth is vigorous to a degree. The beauty of the form and ever increasing wealth of color are maintained from the incipient bud until the last petal drops.

MME. BUTTERFLY—While this is a sport of Ophelia, it shows an even better growth, with more and larger flowers, in a brilliant pink, suffused apricot and gold. These flowers are in the ideal Rose form, of good texture and fragrance, and are unusually enduring. The plant is free and fine in growth and habit.

MRS. AARON WARD—A very free blooming variety of vigorous but compact growth. The flowers, which are of splendid form are full double and are equally attractive when in full bloom as in the bud state. The color is a distinct Indian yellow which under certain conditions becomes yellow tinted white. A favorite everywhere.

PINK RADIANCE—A profuse bearer of large, globular, attractive pink flowers.

PRESIDENT HOOVER—A wonderful new rose with a splendid color combination, cerise-pink, flame, scarlet and yellow. Long pointed buds, moderately fragrant, free flowering and a good grower.



Souvenir de Claudius Pernet.

RED RADIANCE—Exactly like Pink Radiance except the color is clear cerise red.

REV. F. PAGE ROBERTS—Long-pointed, coppery-red buds opening into golden-yellow flowers, stained with red on the outside; fully double, very large and fragrant. A strong branching plant with good healthy foliage.

SOUVENIR DE CLAUDIUS PERNET—A most vigorous grower of erect branching habit; beautiful, brilliant green foliage; long pointed buds of exquisite shape, carried on long, stiff stems. Very large full flowers with elongated deep petals, a beautifully formed bloom. Color, a most striking sunflower-yellow, deeper in the center without any color blending and which is retained without fading even in the warmest weather.

SUNBURST—A vigorous grower with erect or slightly spreading habit and dark bronzy foliage. The flowers are of medium size, full and of fine elongated cup form; color a superb cadmium-yellow passing to yellow-orange in the center.

TALISMAN—A new American rose of exceptional coloring; the outside of the petals is bright yellow, gold and pink; as the flower opens it becomes bright apricot, gold and rose-pink. The bud is long, pointed and opens into a full double flower. A strong grower with glossy foliage and very free flowering.

Climbing Roses

49c each. If by mail, 60c each.

DOROTHY PERKINS—Beautiful shell pink, fragrant and full, blooming in clusters in June. The most popular of all climbing roses during the past few years. This is a very good rose for covering stone walls, fences, embankments and arbors.

DR. VAN FLEET—Long, pointed, deep pink buds, bright pink when open with shell pink center; a large flower on long stem.

PAUL'S SCARLET CLIMBER—No other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall.

SILVER MOON—An indispensable hardy climber, having long well shaped buds, creamy yellow on first appearance, opening into immense Clematis-like flowers of a waxy whiteness. The center is a mass of bright yellow stamens, making a wonderful contrast.

Columbia.

Grass and Clover Seed

Timothy.

ALL PRICES ON APPLICATION

TIMOTHY (Phelum Pratense)—This makes one of the most popular, nutritious and salable of hay grasses. It is best adapted for sowing on clay or heavy loam, lowlands or in mountainous districts, although it will do well on any good loamy soils, provided moisture is abundant.

ORCHARD GRASS (Dactylis Glomerata)—Orchard Grass is a very vigorous grower, and yields large crops of excellent and most nutritious hay, and will last for years in increasing value with proper treatment. It is succulent and nutritious, and when mowed requires only a few days of seasonable weather to start it growing again, and usually two good crops of hay can be cut in a season.

ROUGH STALKED MEADOW GRASS (Poa Trivialis)—No Grass is better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places, but forms a fine sward where few other Grasses can exist. A fine grass for dry ground under Bay windows, overlapping roofs and shady side yards. Sow 20 to 25 pounds to the acre.

SUDAN GRASS—Sudan, the greatest forage crop, should be grown on every farm, where either hay or pasture is desired. It is highly resistant to drought and stands very heavy grazing. Yields from 2 to 10 tons per acre, is superior to either Millet or Sorghum in feeding quality, and may be fed in unlimited quantities. Sow 10 to 20 pounds per acre, 1 to 1½ inches deep, the highest quality hay resulting from heavy seeding.

ITALIAN RYE GRASS—Recommended principally for fall seeding. Will yield two to three cuttings of nutritious hay per year, and particularly adapted for rich, loamy soils and low grounds.

KENTUCKY BLUE GRASS—Kentucky Blue Grass is one of the richest and most nutritious of pasturage grasses, and should be largely used in all pasturage mixtures, except on very light or sandy soils. For fall, winter, and spring, it makes the very best of pasturage, and mixed with other grasses, like Herd's Grass, or Red Top and Meadow Fescue, or Randall Grass, will give an excellent all-the-year-round pasturage.

GOLDEN, or LIBERTY MILLET—Golden, or Liberty Millet makes a large yielding and most nutritious hay crop, quick-growing and easily cured. It requires, however, to be seeded thickly—not less than one bushel per acre—and the crop should always be cut while in bloom, before the seed hardens in the head.

SOUTH GERMAN MIXED BENT—Formerly called Creeping Bent, is a natural mixture of several fine bent grasses, including Rhode Island and Creeping Bent. The best turf grass for Putting Greens. Sow 5 pounds to 1,000 square feet.

RED TOP, or HERD'S GRASS—Red Top, or Herd's Grass, is one of the best and most satisfactory grasses all throughout the South. It is well adapted to all soils and situations, succeeding well on light, sandy soils.

BERMUDA GRASS—One of the most valuable pasturage grasses for the South. Recommended for spring seeding only.

UPLAND GRASS MIXTURE	LOWLAND GRASS MIXTURE
Kentucky Blue	Kentucky Blue
Fancy Red Top	Fancy Red Top
Timothy Seed	Alsike Clover
Red Clover	Red Clover
Rye Grass	Meadow Fescue
Orchard Grass	Timothy Seed

Thirty pounds is required to acre. **Prices on application.**

Clovers

INOCULATE THIS SEED WITH STIMUGERM

RED CLOVER (Trifolium Pratense)—Red Clover not only furnishes most excellent pasturage and hay crops, but its growth improves the land and adds humus to the soil wherever it is grown. It is the standard hay, pasturage and soil-improving crop wherever general farming is practiced.

MAMMOTH CLOVER (Trifolium Pratense Perenne)—Valuable with other grasses for mixed hay; ripens about with Timothy. Being a rank grower, it is largely used for plowing under as a fertilizer.

ALSIKE CLOVER—Grows thicker and is finer in growth than Red Clover, making better hay and probably more and better grazing. It is also hardier, resisting extremes of heat and drought, and also severely cold weather to a remarkable extent. It succeeds on a variety of soils, light upland loamy lands as well as stiff bottom lands. The good qualities of Alsike are being appreciated everywhere.

Red Clover.

Crimson Clover.

CRIMSON, or SCARLET CLOVER—Also known as Annual, or German Clover. This is for fall sowing only. When sown during June, July, August and September, in this latitude, it produces a wonderful crop and is one of the most successful soil-improvers that we have. Improves worn-out and poor soils, and is the cheapest and best fertilizer. Being a winter crop, it should be sown in August and September. Sow ten to fifteen pounds per acre. Bushel, sixty pounds.

JAPAN CLOVER

(Lespedeza Striata)

ADVANTAGES OF JAPAN CLOVER

It grows on the poorest and dryest soils.

Lands totally unfit for other crops will produce Japan Clover.

Fine for reclaiming old worn-out fields and restoring them to fertility.

The roots penetrate and break up hard subsoils.

It will grow luxuriantly on poor land, and will resist the severest drought.

Stock eat it readily and fatten on it.

Only one sowing necessary—it reseeds itself.

ALFALFA, or LUCERNE—The hardiest and most lasting of all Clovers, and when once established the most productive as well as the best soil-enricher of all. It can be cut for hay several times a year, yielding bountifully at each cutting, and the hay is of the highest feeding value. When established, Alfalfa yields four to eight cuttings per season, depending upon the section. It should not be grazed. It does best on a loamy limestone soil, the lime being very essential to its growth.

WHITE BOKHARA, or SWEET CLOVER—Can be sown either in the spring or fall. Should be sown at the rate of 15 pounds to the acre. It furnishes good inoculation as a crop to precede alfalfa, and is also adapted for sowing on hillsides that are liable to wash or gully; but it will not succeed well on lands that do not contain some lime content. It is also largely used for sowing for bees.

WHITE DUTCH CLOVER—Largely used in lawn and pasture mixtures, and is well adapted to our soils. It is voluntary in growth and will cover the ground well and makes a good pasturage. Generally sown in a mixture with other grasses; not suitable for hay.

PRICES ON ALL GRASS AND CLOVER SEED ON APPLICATION.

COW PEAS

Cow Peas will make a good growth under very unfavorable conditions and on poor soil. However, as their merit as a soil improver lies in their ability to gather nitrogen, it stands to reason that the greatest benefit will be derived where the soil is put in good condition and fertile. Applications of lime to the soil are very beneficial also. The seed may be sown at any time in the spring when it has become warm enough to plant corn, and from that time on to within about two months of frost.

BEST VARIETIES TO PLANT—Clays, Whippoorwills, New Era, Mixed, Black Cows, Black Eyes, Canada Field Peas, etc. All our Cow Peas are fancy, recleaned, free from hulls. Write for our lowest prices.

HAIRY OR WINTER VETCH

This is one of the most valuable forage crops for the South, but requires to be sown in the fall for best results. Can be sown any time from July to October. Succeeds admirably sown at the last working of corn or cotton with oats or wheat. Should be sown at the rate of twenty to thirty pounds to the acre with one bushel of Oats or three-fourths bushel of Wheat.

WHITE SPRING OATS

For a spring oat for seeding in March and April, the White Spring Oats are unquestionably the best and surest yielding of spring oats, the advantages claimed for it being that it is earlier to mature, free from rust, healthy, clean and vigorous growth of straw, and makes a remarkably good yield of clean, bright, heavy grain. On account of its earliness to mature, it is one of the surest cropping varieties for the South.

EARLY AMBER SORGHUM

Furnishes a large yield of most nutritious forage, which can be fed either green or cured, and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows 10 to 12 feet high. Sow broadcast for forage at the rate of 1 to 1½ bushels per acre in drills 3½ to 4 feet apart.

BUCKWHEAT

NEW JAPANESE—This new sort has proven to be much earlier and more productive than any other variety. Grains very large and rich brown color. It excells all in yield and earliness.

Sorghum.

DWARF ESSEX RAPE

This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six to eight weeks from the time of sowing. The fattening properties of Rape are said to be very much better than those of clover. Sow three to five pounds per acre in drills; six to eight pounds per acre broadcast.

SOY, or SOJA BEANS

WILSON EARLY BLACK—A very prolific variety, and one of the best where a quick, early variety is desired. Average height on good land is about three feet.

VIRGINIA—On account of its abundant growth and large yield of beans the Virginia makes most excellent hay and ensilage. As it is about 20 days earlier than Mammoth Yellow, it can be grown further North and throughout the corn belt.

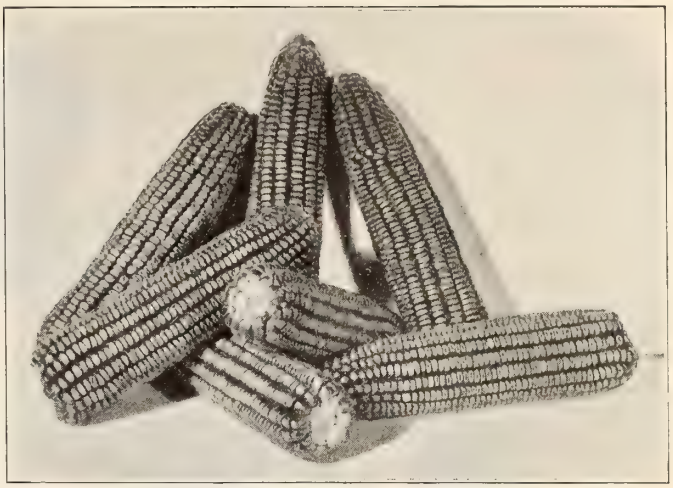
Soy, or Soja Beans.

MAMMOTH YELLOW—The latest, yet the most extensively grown for both beans and forage, both of which it yields in great abundance. It grows more than 3 feet high; is erect in growth.

Selected Seed Corns

BOONE COUNTY WHITE—A large-eared variety of White Corn. It has deep, soft and very white grains; it is a vigorous grower and has become very popular, and has probably taken more premiums than any other variety of corn for the last few years.

EUREKA ENSILAGE—This variety is bred from the Cocke's Prolific. The ears are much larger and longer, but not as many to the stalk. The ears run from 9 to 12 inches long. It is a rather hard, pure white variety, and makes excellent meal. Is especially adapted to rich low grounds, and is one of the most valuable ensilage varieties.



Golden Beauty Corn.

GOLDEN BEAUTY—A broad-grained, large-eared variety, maturing in about 120 days; cob is small; grain very heavy and of a beautiful golden-yellow color.

PAMUNKEY ENSILAGE—Our Pamunkey Ensilage Corn is bred for height of stalk, breadth and thickness of foliage, as well as size and number of ears. It is of strong and vigorous growth, attaining a height of 13 to 15 feet, yields an unsually heavy growth of fodder and usually bears two ears to the stalk. The ears are 10 to 12 inches long, 2¼ to 2½ inches in diameter, with a good depth of grain.

Wheat

LEAP'S PROLIFIC—A splendid new variety, originating in the Shenandoah Valley. It is remarkable for its productiveness and fine quality of grain. The grain is flintier and of better milling qualities than the ordinary varieties. It is very uniform in its growth, stiff-strawed, healthy, strong grower and early to ripen. One thing particularly noticeable about this variety is its stooling qualities, it being particularly superior in this respect, producing more stalks to plant than the ordinary wheat.

Leap's Prolific Wheat.

EARTHENWARE SAUCERS

	Each	Dozen
4 inch	$ .03	$ .30
5 inch	.04	.40
6 inch	.06	.65
7 inch	.08	.80
8 inch	.10	1.10
9 inch	.13	1.50
10 inch	.16	1.75
12 inch	.25	2.75
14 inch	.40	4.00

NEPONSET FLOWER POTS

	Dozen	Per 100	Per 1000
3 inch	$ .15	$ .70	$6.00

FLOWER POTS AND FERN POTS

	Each	Dozen	Per 100
2 inch	$ .03	$ .20	$ 1.15
2½ inch	.04	.27	1.85
3 inch	.04	.30	1.95
4 inch	.05	.45	3.00
5 inch	.08	.75	5.40
6 inch	.12	1.15	7.75
7 inch	.20	1.85	13.50
8 inch	.25	2.75	20.00
9 inch	.35	3.75	29.00
10 inch	.50	5.50	37.50
12 inch	.95	9.50	75.00
14 inch	1.60	16.00	125.00

CEDAR PLANT TUBS

New York Style.

Richmond Style.

Richmond Style

Size	Inside Top Dia. Inches	Inside Bot. Dia. Inches	Inside Depth Inches	Price Each
No. 1	6	5	6	$ .55
No. 2	7	5	7	.60
No. 3	8	6	8	.65
No. 4	9	7	9	.70
No. 5	10	7½	9	.80
No. 6	11	8½	10	1.00
No. 7	12	9	11	1.15
No. 8	13	10	12	1.50
No. 9	14	11	13	1.70
No. 10	15	11½	14	1.85
No. 11	16	12½	15	2.10
No. 12	17	13½	16	2.45
No. 13	18	14½	17	2.95
No. 14	19	15½	18	3.55

New York Style.

No. 1	12	9¾	10⅝	2.15
No. 2	13	10¾	12¾	2.80
No. 3	14½	12 1/16	14¾	3.45
No. 3½	16½	14½	15¾	4.55
No. 4	19 7/16	17¼	16⅝	4.90
No. 5	22 7/16	20¼	18½	6.40

PERFECTO FLOWER BOXES

	Each
20 in. long, 6 in. deep, 7 in. wide	$ .90
26 in. long, 6 in. deep, 7 in. wide	1.35
32 in. long, 6 in. deep, 7 in. wide	1.80
38 in. long, 6 in. deep, 7 in. wide	2.25
44 in. long, 6 in. deep, 7 in. wide	2.70

BAUGHGRO

The Ideal Plant Food

	Each
5 lb. Canisters	$ .50
10 lb. Package	.85
25 lb. H'vy Cotton, paper-lined bags	1.50
50 lb. H'vy Cotton, paper-lined bags	2.50
100 lb. H'vy Cotton, paper-lined bags	4.00

DUBAY
REG. U.S. PAT. OFF.

SEMESAN BEL—for seed potatoes.
CERESAN—for seed grains.
SEMESAN JR.—for seed field and sweet corn.
SEMESAN—for flower and vegetable seeds.

SEMESAN BEL		CERESAN (New Improved)	
4 oz. tin	$ .50	1 lb. tin	$ .75
1 lb. tin	1.75	5 lb. tin	3.00
5 lb. tin	8.00	25 lb. pail	12.50

SEMESAN JR.		SEMESAN	
4 oz. tin	$ .40	2 oz. tin	$ .50
1 lb. tin	1.50	1 lb. tin	2.50
5 lb. tin	7.00	5 lb. tin	11.75

Fertilizers for the Farm, Lawn, and Garden

BAUGH'S RAW BONE MEAL—Pure animal bone is one of the best and most satisfactory fertilizers that the farmer can use. It can always be relied upon to give excellent result upon the growing crops, at the same time acting as a permanent improver. Analysis:

Bone Phosphate of Lime.....45 to 55%
Ammonia 4½

SPECIAL CORN AND OATS FERTILIZER—We recommend this specially prepared fertilizer for corn and oats. Its use will greatly increase the yield. Analysis:

Ammonia 1¼%
Available Phosphoric Acid.....10%

STANDARD POTATO FERTILIZER—This fertilizer is especially prepared for Irish and sweet potatoes, but will give splendid results on all root crops. We cheerfully recommend this brand to any one wanting a high-grade POTATO FERTILIZER. We ask you to give it a trial. Analysis:

Ammonia 2%
Phosphoric Acid 8%
Potash (Actual) 5%

POTOMAC "A" AMMONIATED SUPER-PHOSPHATE—This is our well-known brand of General-Crop Fertilizer, and has stood the test for more than 25 years. As a fertilizer, we cannot speak too highly for this brand for all early vegetables. Analysis:

Ammonia 2%
Available Phosphoric Acid.....9%
Potash K. O. 2%

MANN'S TURF FERTILIZER—Recommended especially for lawns. **5 lbs. 25c, 10 lbs. 50c, 25 lbs. $1.00, 50 lbs. $1.50, 100 lbs. $2.75.**

VIGORO

Specially prepared plant food

For LAWNS, GARDENS, FLOWERS, SHRUBBERY, TREES

VIGORO is especially prepared to supply growing things with all of the plant food elements needed for rapid, sturdy, and luxuriant growth.

VIGORO is odorless, clean and easy to apply. It can be sown by hand, like grass seed. **100 lb. bag, $4.00; 50 lb. bag, $2.50; 25 lb. bag, $1.50; 10 lb. bag, 85c; 5 lb. can, 50c.**

WIZARD BRAND SHEEP MANURE—2 lbs. 15c, 5 lbs. 30c, 10 lbs. 50c, 25 lbs. $1.00, 50 lbs. $1.50, 100 lbs. $2.50.

SHREDDED COW MANURE (For Garden and Lawn)—**25 lb. bag, $1.00; 100 lb. bag, $2.50.**

PEAT MOSS—A few of the many purposes for which it is used: Fertilizer Carrier, Mulching, Cold Frames, Lawns, Improving Soils, Propagating, Cuttings, Landscape Work, Benches (Greenhouse), Golf Courses, Packing, Storing Bulbs, Potting, Layering, Seed Beds, etc. Send for booklet giving detailed information. Prices: Large bale (13 cu. ft. and covers 240 sq. ft. one inch deep), **$2.50; half size bale, $1.40.**

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

COTTON SEED MEAL—Rich in ammonia and potash, making an excellent fertilizer for lawns and golf greens. **5 lbs. 25c, 10 lbs. 50c, 25 lbs. $1.00, 50 lbs. $1.50, 100 lbs. $2.50.**

NITRATE OF SODA—Refined, soluble, very quick to act, does not take the place of other fertilizers, but stimulates quick growth, and matures early crops when used occasionally along with them. **1 lb. 10c, 3 lbs. 25c, 10 lbs. 60c, 100 lbs. $3.00.**

SULPHATE OF AMMONIA is a fertilizer which will increase the growth of the grass so as to crowd out and tend to eliminate ordinary weeds, such as buttercup, dandelion, crab grass, chickweed, plantain, etc. Its use on the lawn will bring about a soil condition favorable to the growth of the grass and will produce a reaction in the soil which is unfavorable to weeds. **3 lb. pkg. 25c, 10 lbs. 60c, 25 lbs. $1.00, 100 lbs. $3.00.**

ALUMINUM SULPHATE (For Rhododendrons and Azaleas)—1 lb. 10c, 3 lbs. 25c, 10 lbs. 75c, 100 lbs. $3.50.

MURIATE OF POTASH—Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent actual potash. **1 lb. 10c, 3 lbs. 25c, 10 lbs. 60c, 100 lbs. $3.00.**

BLOOD MEAL—One of the best plant foods for forcing flowers and vegetables. Excellent for Rose Bushes during blooming season. **1 lb. 10c, 3 lbs. 25c, 5 lbs. 40c, 10 lbs. 75c, 25 lbs. $1.75, 50 lbs. $3.00, 100 lbs. $5.00.**

PERFECTION HYDRATED LIME—A Garden and Lawn Lime. Perfection Hydrated Lime sweetens the soil and helps flowers, vegetables and grass to grow, quickens action and is particularly recommended for spring use on all lawns where much acidity exists. Packed in convenient stout paper bags, holding 10 and 50 pounds each. Use 1 pound to 25 square feet, or 50 pounds to 1,000 square feet of new lawn, and half that quantity for top dressing old ones. **10 lb. bag 25c, 50 lb. bag 60c. Special price in ton lots.**

ADCO

ARTIFICIAL MANURE

converts garden refuse, such as leaves, stalks, cuttings, potato, bean and pea vines, etc., into artificial manure.

ADCO is a powder which, when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure fully equal to the farmyard product in fertilizing power, but free from foul odor, flies, weed-seeds, etc. The process is perfectly simple and not at all laborious.

GARDENERS can now have plenty of manure at low cost and little trouble.

FARMERS, by utilizing straw, corn stalks, etc., can secure their manure without the expense and labor of maintaining live stock.

25 lbs. is sufficient to make one-half ton of manure; 150 lbs. is sufficient to make three tons of manure. **25 lb. bag $2.00, 150 lb. bag $10.50.**

Spray your vegetables with PYROX, with Nicotine (Bowker's)

This one best and safest all-round spray which kills all leaf-eating insects and prevents blights and all fungous troubles without injury. (See prices on page 34).

Insecticides and Fungicides

ANTROL—Ants destroyed in their nests—New method gets them at their source—Safe. Permanent. Effective. **Prices: Antrol sets containing 4 containers and one 4-oz. bottle of syrup, 75c; Antrol extra containers (each) 10c; Antrol syrup, 4-oz. bottle, 35c; pints, 85c; gallon $3.50.**

ANTROL READY FILLED SETS—(Each Set contains four ready filled ant feeders.) **Per Set, 50c.**

APHINE—A nicotine preparation for plant lice, thrip and red spider. **1 qt. $1.00, 1 gal. $3.00.**

ARSENATE OF LEAD (For Leaf-Eating Insects)—Sticks to the leaf better than Paris green and remains longer in suspension, requires fewer applications; does not burn the leaf, thus allowing stronger solutions. White in color and shows just where it has been applied. **1 lb. 25c, 4-lb. pkg. 80c, 48 lbs. $7.20.**

ARSENATE MAGNESIUM—**2 lbs. 65c.**

APHISTROGEN—Makes a complete spray for most sucking insects; prepared especially for roses and other plants. **½ lb. $1.25, 2 lbs. $3.50.**

BORDEAUX MIXTURE—Ready for use by simply adding water. **1 lb. 25c,** makes 5 gallons spray; **4 lbs. 80c,** makes 25 gallons spray; **100 lb. drum, 15c lb.**

BUG DEATH—Used on potatoes, cucumbers, squash and currants, powerful insecticide. **1 lb. 25c.**

"BLACK LEAF 40"—40% Nicotine—Kills Aphis—For Sucking Insects.—Kills plant lice on roses, shrubbery, fruits, and vegetables. A concentrated solution of nicotine sulphate, guaranteed to contain not less than 40% of nicotine. A solution in the proportion of a teaspoonful to a gallon of water, to which add 4 pounds soap to each 100 gallons of solution. **1 oz. bottle 35c, 5 oz. bottle $1.00, 1 lb. bottle $2.25, 2 lb. tin $3.25, 5 lb. tins $5.85, 10 lb. tins $9.85.**

CYANOGAS, "Calcium Cyanide," Grade A—For the destruction of ground moles, wood chucks, rats and other rodents. **½ lb. 45c, 1 lb. 75c, 5 lbs. $3.00.**

FISH OIL SOAP—Dissolved in water makes an excellent spray for scale on palms, etc., **1-lb. pkg. 30c, 5 lbs. $1.25, 10 lbs. $2.25.**

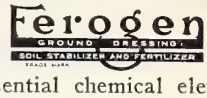
FUNGTROGEN—A highly concentrated form of fungicide that will conquer mildew and control black spots on roses. It also supplies an essential fertilizer. Dilute 1 part with 60 parts of water. **½ pt. 75c, pt. $1.25, qt. $2.00.**

HAMMOND GRAPE DUST, For Mildew and Blight—1-lb. carton 30c, 5 lbs. 80c.

HAMMOND'S SLUG SHOT, For Leaf-Eating Insects—1 lb. 25c, 5-lb. pkg. 75c.

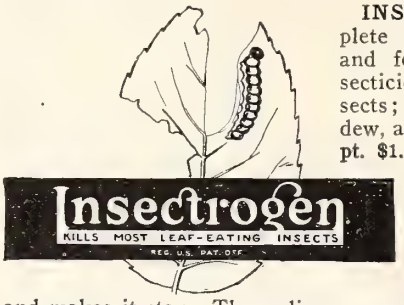
CALCIUM ARSENATE (Arsenate of Lime)—For Mexican bean beetle, boll weevil and other leaf-eating insects. **Lb. 25c, 4-lb. pkg. 80c.**

GRAFTING WAX—Used for grafting trees and other plants. **¼ lb. 20c, ½ lb. 30c, lb. 50c.**



Spring-Summer Ground Dressing and Ground Fertilizer. A valuable plant food. Reinforces manure fertilizer. Supplies essential chemical elements to the soil. **1-lb. tin 75c, 2-lb. tin $1.25, 5-lb. tin $2.75.**

HELLEBORE (Powdered)—An excellent protection from currant worms, graps slugs, caterpillars, etc. May be applied dry or mixed in water. One ounce to three gallons. **½-lb. box 30c.**



INSECTROGEN — A complete spray, poison, fungicide and fertilizer, an effective insecticide for leaf-chewing insects; also for black spot, mildew, and red spider. **½ pt. $1.00, pt. $1.75, qt. $2.75.**

KEROSENE EMULSION (Liquid) — **1 qt. 60c, gal. $2.00.**

KAYSO — What it does: Spreads the Spray and makes it stay. The ordinary spray collects in spots, leaving unprotected spaces which permit infestation. Kayso gives a smooth, uniform coating on buds, twigs, branches, fruits and foliage, which will adhere long after the ordinary spray has disappeared. **2 lbs. 45c.**

LIME-SULPHUR SOLUTION—Lime-Sulphur is used both as an insecticide and a fungicide. As an insecticide it is used principally against scale insects, especially the San Jose Scale. For scale insects it is applied while the trees are dormant and is diluted with 8 or 9 parts of water. **1-qt. can 40c, 1-gal. can 90c, 5-gal. can $3.00, 10-gal. can $5.00, 50-gal. drum (per gal.) 22c.**

LIME-SULPHUR POWDER—Apply 12 to 15 pounds in 50 gallons of water. **1 lb. 30c, 5 lbs. $1.25, 10 lbs. $2.00, 25 lbs. $4.00.**

Ever Green Non-Poisonous Insecticide is recommended especially for killing the following Insects: Ants, Cut-worms, Thrips, Aphis (Plant Lice), Japanese Beetles, Potato Beetles, Squash Beetles, Bean Beetles, Cucumber Beetles, other insects. **1-oz. bottle 35c, 6-oz. bottle $1.00, 1-pt. bottle $2.00, 1-qt. bottle $3.50, 1-gallon $11.50.**

NICO FUME (Liquid)—An effective vaporizing liquid. **Lb. $2.25, 4 lbs. $5.75, 8 lbs. $10.00.**

NICO FUME TOBACCO POWDER—**1-lb. tins $1.00, 5-lbs. $3.35, 10 lbs. $5.85.**

SELOCIDE—Kills Red Spiders. **1 qt. $1.25, 1 gal. $3.25, 5 gals. $15.00.**

PARIS GREEN, For Leaf-Eating Insects—It is a strong poison and should be used with care. Mix one pound of Paris green to 50 pounds of plaster, or with water to 150 gallons. On vines and tender vegetables use a larger proportion of plaster and water. **¼ lb. 15c, 1 lb. 40c, 5 lbs. $1.85.**

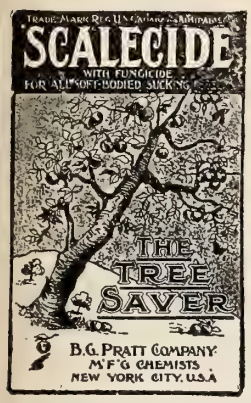
PYROTE. A non-poisonous insecticide for killing both chewing and sucking insects. **1 oz. bottle 35c, 6 oz. bottle $1.00.**

PYROX (With Nicotine)—The one best and safest all-around spray which kills all leaf-eating insects and prevents blights and all fungous troubles without injury. **10-oz. jar 50c, 40-oz. drum, $1.25.**

PYROX (Bowker's)—An insecticide and fungicide. It does not wash off. It guards against all chewing insects and prevents rots and blights. **1-lb. 50c, 5 lbs. $1.75, 10 lbs. $3.00, 25 lbs. $6.25, 50 lbs. $7.25, 100 lbs. $12.50.**

INSECTICIDES AND FUNGICIDES—Continued

RED ARROW (Non-poisonous)—Will kill Rose Chafers, Thrips, Mealy Bugs, Caterpillars, Mexican and Japanese Bean Beetles and other insects. **Oz. 35c, ¼ pt. $1.00, ½ pt. $1.75, qt. $6.00, 1 gal. $20.00.**



SCALECIDE, THE TREE SAVER—One gallon "Scalecide" will spray as many trees as 3½ gallons of Lime-Sulphur Solution. Dilute for all dormant spray work, 1 part to 15 parts of water. **1 qt. 60c, gal. $1.40, 5 gals. $4.90, 10 gals. $8.50, 15-gal. drums $10.00, 50-gal. bbls. $23.50.**

SULPHATE OF COPPER—Per lb. 15c, 10 lbs. $1.00, 100 lbs. $7.00.

SULPHUR (Flowers)—1 lb. 10c, 10 lbs. 75c, 50 lbs. $3.00.

PARA DICHLOROBENZENE, or CRYSTAL GAS — Controls peach borers; use in June and September, 1 ounce to each tree. **1 lb. 60c, 5 lbs. $2.25, 10 lbs. $3.50, 25 lbs. $8.00.**

TOBACCO DUST—1 lb. 10c, 10 lbs. 50c, 50 lbs. $1.50, 100 lbs. $2.75.

TOBACCO STEMS—100-lb. bale $2.00.

TREE TANGLEFOOT—A paste preparation painted around the trunk of a tree to keep caterpillars, etc., from crawling into the tree. **1 lb. 50c, 5 lbs. $2.25, 10 lbs. $4.25.**

TANGLEFOOT ROACH AND ANT POWDER is odorless, non-irritating and is more certain to rid premises of roaches and ants than any irritating powder or liquid. **2-oz. can 25c, 1-lb. can $1.00.**

SULFOCIDE, A Better Summer Spray—A concentrated liquid sulphur fungicide. Used on both peaches and apples and on all kinds of fruits, vegetables, and flowers. Controls apple scab, brown rot of peaches, plums and cherries, blight and rot of potatoes, tomatoes and melons, mildew and rust of flowers and shrubs. Convenient, economical, effective. Dilute 1 to 200. **1 pt. 50c, qt. 85c, gal. $2.25, 5 gals. $7.50, 10 gals. $13.50, 30 gals. $33.00, 50 gals. $50.00.**

TEROGEN—A new Autumn and Winter ground dressing for the rose garden; destroys insect pests and diseases before they attack; also acts as a fertilizer. **1-lb. tin 75c, 2-lb. tin $1.25, 5-lb. tin $2.75, 25-lb. tin $11.00.**

VOLCK—A spray for the garden, nursery, and greenhouse; effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphis, thrip, etc.; not only kills the insects but also acts as a repellant. **½ pt. 35c, pt. 55c, qt. 80c, gal. $2.50.**

ATLACIDE
CALCIUM CHLORATE

A Non-Poisonous Weed Killer

Can be dissolved in water and applied as a spray.

Can be dusted on the weed from the Sifter Cans

Very Effective on Poison Ivy

Will exterminate all undesirable vegetation—including poison ivy—as easily as watering a garden, without endangering human or animal life. One pound is ample to clear 450 square feet of densely vegetated area. **1 lb. 50c, 3½-lb. cans $1.50.**

KEY WEED is especially adapted for destroying weeds in walks, dirt tennis courts, golf links, etc. One application will kill roots and foliage in 48 hours and no more weeds will grow until more seed is sown. **Qt. can 60c, gal. can $1.50, 5 gals. $6.25.**

NIAGARA POMO-GREEN

The Leaf-Green Kolodust used for the control of many diseases and external chewing insects on flowering plants and shrubs. **1-lb. can 50c, 5-lb. carton $1.75.**

POMO-GREEN (With Nicotine)—1 lb. can 75c, 5 lb. can $3.00.

GENUINE FELIX GIRARD RAT AND MOUSE EMBALMER is packed in three sizes—**16 ounces $3.00, 5 ounces $1.00, 2 ounces 50c.**

K-R-O—Kills Rats and Mice Only. This wonderful new exterminator is the only one of its kind on the market that is harmless to animals other than rats and mice. **2 oz. size 75c, 4 oz. size $1.25.**

SNAROL

SNAROL—Quickly kills garden pests. Science provides new, safe method that does the work without fuss. Snails, cutworms, slugs, grasshoppers, sowbugs, earwigs, etc., are exterminated. **1½ lb. pkgs. 35c, 4 lb. pkg. 85c.**

Sprayers for Applying Insecticides

BROWN'S AUTO-SPRAY No. 50

Lighter Weight, Smaller Capacity

This sturdy little machine is almost identical to Auto-Spray No. 9 in construction and manipulation, but has half the capacity, holding about two and one-half gallons. It is entirely suitable for spraying on a smaller scale. It is particularly recommended for use where weight is a factor, as when the womenfolk or youngsters help out with the spraying.

Auto-Spray No. 50D — Galvanized Tank with Auto-Pop, and 2-ft. extension pipe, **$5.00.**

Auto-Spray No. 50-B—Brass Tank with Auto-Pop, and 2 ft. extension pipe, **$7.50.**

No. 50.

THE MYERS PORTABLE SPRAYER

Made of extra heavy galvanized iron; capacity 12½ gallons; suitable for greenhouse work, spraying trees, whitewashing, painting, etc. A general utility pump about the home.

Price List represented by Fig. 2790—No. R336½B. Myers Portable Sprayer, complete as shown in illustration, with Dasher and Jet Agitator, 15 ft. Hose, 8-ft. Extension and Vermorel Nozzle.
Price $25.00
With Cog-Gear Spray Pump Dasher and Jet Agitator

Sprayers for Applying Insecticides—*Continued*

BROWN'S No. 1 DUSTER—½ Pint Capacity 50c.

One of the most important features of this Duster is—that the amount of dust expelled can be regulated by the position in which the jar is held in the operator's hands. When the agitator is directed down, large quantities of dust can be expelled.

MYERS COG GEAR BUCKET SPRAY PUMP

Fig. 1726

Fig. 1726, No. R324, illustrates the Myers Spray Pump Changing-Gear Handle. This Pump has 1½-inch diameter brass cylinder with solid plunger, brass ball valve and brass air chamber discharge tube. The foot rest, head and cog gear handle are malleable iron. The large cylinder, in combination with the cog gear handle, makes this an exceptionally easy-working pump of more than ordinary capacity.

Price, with 3-ft. Rubber Hose	**$6.00**
Price, with 8-ft. Extension Pipes	**6.75**
Bordeaux Nozzle	**.75**
Vermorel Nozzle	**.80**
Extension Pipe, 8 feet	**.75**

BROWN'S AUTO SPRAY No. 9

A Self-Operating or Automatic Sprayer

Weight—Empty 7 pounds, loaded 39 pounds, shipping weight 15 pounds.

The **Auto-Spray No. 9** is one of the best on the market. It is very strong and practical. When properly charged contains 3 gallons of solution and 1 gallon compressed air. Ten to twelve strokes of the plunger will compress the air and two pumpings will empty entire contents.

All parts which come in contact with solution are made of brass, and the handle and other parts are made of malleable iron.

Length of cylinder 21 inches, diameter of cylinder 7 inches, capacity about 4 gallons, weight, empty 7 pounds.

Auto-Spray No. 9D — Galvanized Reservoir Auto-Pop. Our special price.....**$6.00**

Auto-Spray No. 9B — Brass Reservoir, Auto-Pop. Our special price.....**$9.00**

No. 6—Brown's Bucket Spray.....**$4.50**

Extras

Auto-Pop	**$1.50**
Auto-Pop Nozzles, with Hose and Fittings	**2.00**
Extension Pipe, Brass, 2-foot length	**.50**
Brass Elbow Extension	**.35**
Brass Strainer for straining solutions used in Auto Spray	**1.20**

LOWELL'S WARRIOR DUSTER, No. 465. 1 Quart capacity. Price $1.00

BROWN'S AUTO SPRAY, No. 26BG. 1-Quart Capacity, Glass Tank, Continuous Sprayer. Price $1.10

BROWN'S DUSPRAY. 1-Pint Capacity. Glass Tank, Continuous Sprayer. Price 50c.

MYERS COG GEAR BARREL SPRAY PUMP

With Malleable Iron Base

Cylinders, Valves, Valve-Seats and Discharge, All Brass

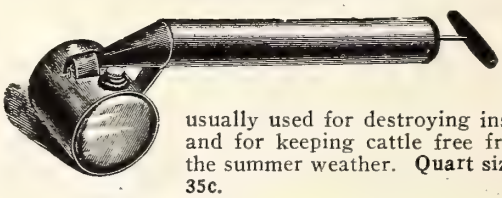
All Working Parts Submerged in Liquid, hence no priming necessary.

Has both Jet and Mechanical Agitator.

Fig. 1521, No. 318B, represents Myers Cog Gear Barrel Spray Pump, with both jet and mechanical agitators, complete with 15 feet of ½-inch 5-ply discharge hose and Myers graduating Vermorel nozzle.

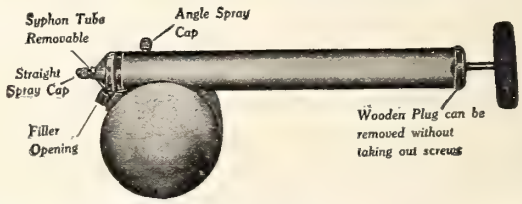
Price.....**$16.00**

WHIRLWIND SPRAYERS



These Sprayers throw a very fine spray of any liquids usually used for destroying insects, bugs, etc., and for keeping cattle free from flies during the summer weather. **Quart size, 50c, pint size, 35c.**

AUTO COMPRESSED-AIR SPRAYER


Syphon Tube Removable
Angle Spray Cap
Straight Spray Cap
Filler Opening
Wooden Plug can be removed without taking out screws

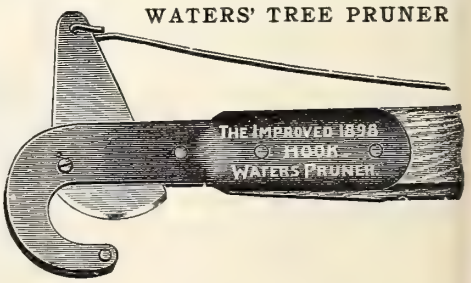
Just the thing to use in the greenhouse, window garden, for rosebushes and in the poultry house.

26B—Brass Tank.....**$1.25**

WATERS' TREE PRUNER

6 ft. long	**$1.80**
8 ft. long	**2.00**
10 ft. long	**$2.25**
12 ft. long	**2.40**

Extra Knives 25c



Poultry Supplies

SELF-REGULATING COLONY BROODER STOVE

Even Heat All the Time, Day or Night, Winter or Summer.

QUEEN COLONY BROODER STOVE

No. 1— 600 Chick Size	$20.00
No. 2—1200 Chick Size	24.50

INCUBATORS AND BROODERS

We carry a full line of Queen Incubators and Brooders. Prices on application.

THE PUTNAM BROODER

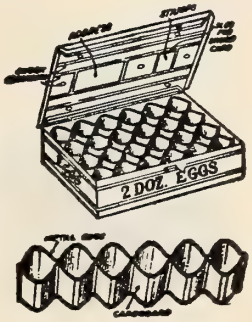
This is used to heat a home-made brooder, which will take the best of care of from 30 to 60 chicks. Instructions for making brooder packed with every heater. A boy can make the brooder in an hour with saw and hammer. The materials need not cost over 25c. The Putnam Brooder Heater holds one quart of oil and will burn 10 days without filling or trimming; needs no other attention.

Putnam Heater—Our Special Price $1.95. Keeps water from freezing in cold weather.

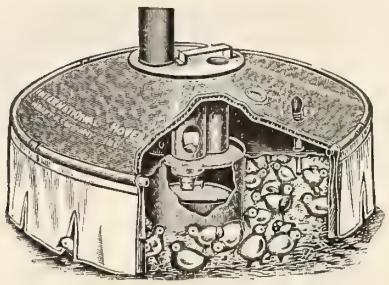
PARCEL POST EGG BOXES

NEW MODEL EGG BOXES

1½-dozen size, all eggs, weight empty 3 lbs	$1.00
2-dozen size egg box	1.25
3-dozen size egg box	1.50
4-dozen size egg box	1.75
6-dozen size egg box	2.00
12-dozen size, all eggs, weight empty 10 lbs	4.00



INTERNATIONAL SANITARY HOVER



Mann's Best Way.—The air is kept wholesome by diffusion through the cloth curtain. There are no drafts under the hover. It hovers 100 chicks and has enough ventilation for 2,400.

Price $10.50

COMBINATION CRATES—With Metal Containers

No. 1—2 lbs. and 1 dozen eggs	$1.25
No. 2—4 lbs. and 2 dozen eggs	1.75
No. 3—4 lbs. and 3 dozen eggs	2.00

We carry a large stock of **CELLULOID LEG BANDS** in all colors. **Price, 60c per 100, 12c per dozen, 30c for 50 bands.**

DRINKING FOUNTAINS AND FEEDERS

Star Drinking Fountains	$ .10
No. 11—Round Chick Feeder (8-hole size)	.10
No. 12—Round Chick Feeder (12-hole size)	.15
Double Feeding Trough (12 inches long)	.30
Double Feeding Trough (24-inch size)	.45

CAPONIZING SETS

$3.00 and $3.75

LEADER FOUNTAIN

A new Sanitary Fountain, practical to use, easy to keep clean.

A saving of from 30 to 40 per cent over any fountain of its size.

6-quart size	$ .85
3-gallon size	1.50

FELKER'S NIFTY FEEDERS

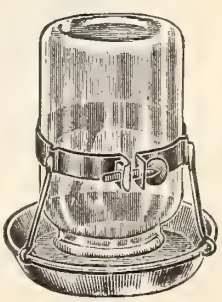
20c

HANDY—A PERFECT FEEDER

For Sour Milk, Buttermilk, Medicine, Water, Grain, Grit.

The container is aluminum, the only metal in which sour milk or medicine can be fed with safety. The **Handy** is adjustable, simple to operate, and durable; rustproof and non-corroding. Every one has some kind of a quart fruit jar. The **Handy** fits them all.

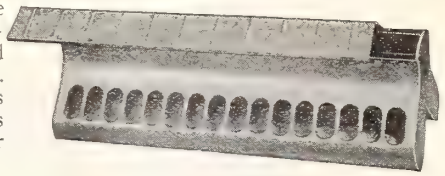
Price, each, 25c



Poultry Supplies—*Continued*

INEXPENSIVE BABY CHICK FEEDER FOR LARGE FLOCKS

This feeder is made in three sizes—21 inches, 35 inches, and 48 inches in length. Sloping top prevents roosting and slides off for filling or cleaning.

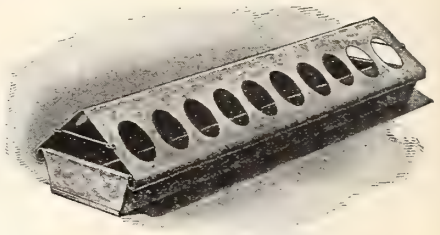


No. 140—21 inches, each $1.00
No. 141—35 inches, each 1.50

FELKERS JR. CHICK FEEDER

The Most Successful Chick Feeder.

Prices
12-inch size, 20c
20-inch size, 35c



Dairy Supplies and Remedies

B-K Bacili-Kl Trade-Mark

What B-K Does for the Farmer and Why

It destroys at once on contact the germs of disease and loss in live stock and poultry and the bacteria that contaminate and spoil milk and other dairy products.

It helps prevent diseases of live stock and poultry, thus adding profits.

It helps to produce highly pure milk and cream and more of it—makes the pay check bigger.

IT IS CLEAN—can be used anywhere. Leaves things clean, purified, odorless. Leaves no odor of itself to contaminate. **10 oz. 50c, 1 qt. 90c, 1-gal. jug $2.00, 5-gal. jug $8.50.**

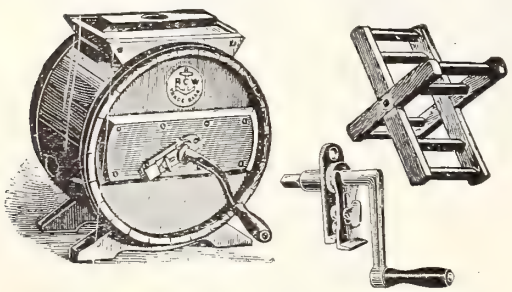
BAG BALM

For Bunches, Caked Bag, Cuts, Sore Teats, Chapping, and Inflammation.
Price per can, 60c.

KANT SUK CALF WEANER

No. 1055—Calf size, 60c.

CEDAR CYLINDER CHURNS



Double Dasher—Thumb Screw Lock

We now use a double dasher, and the crank is locked to the churn with a clamp and thumb screw which prevents leakage—lock cannot break.

No. 1— 3 gallons, each $4.00
No. 2— 4 gallons, each 4.75
No. 3— 7 gallons, each 5.50
No. 4—10 gallons, each 6.25

RICE'S CALF WEANERS

Also prevents cows from sucking themselves.

No. 1—For Calves ..... $ .50
No. 2—For Heifers ..... .75
No. 3—For Cows 1.00

SHAW'S CALF WEANERS

Price, each 60c

SAVE YOUR COWS BY USING KOW-KARE

The Great Cow Medicine

Watch every cow, and at the first sign of disorder in appetite, digestion, or flow of milk, give a dose of **KOW-KARE.** Carefully follow the directions as given on the box, and that cow will get well.

KOW-KARE is in powder form, to be given in regular feed. It cures abortion, barrenness, and scours, caked udder, removes retained afterbirth, purifies the blood, strengthens the appetite, vitalizes the nerves, and prevents disease. It increases the milk. It is a medicine for cows only. Price, small size, 65c; large size, $1.25.

COMPRESSED PURE SALT BRICKS

Each ..... $ .25
Case, 1 dozen 2.50

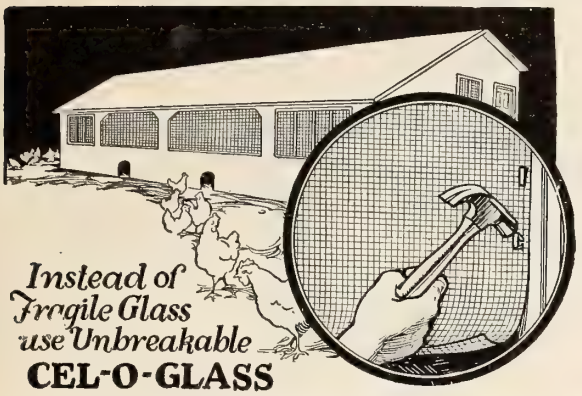
CORN SHELLER

Original in every feature; never breaks or fails to do good work. Shells fast. Shells easily.

Price $3.00.

Poultry Supplies—*Continued*

CEL-O-GLASS



CEL-O-GLASS is a new, unbreakable glass. It is the most economical and practical glazing material on the market. It replaces ordinary, fragile, costly glass for nearly every purpose.

CEL-O-GLASS is made of coarse mesh galvanized wire cloth treated in such a manner that the spaces between the strands are filled with a clear, translucent, tough flexible substance that will not rub off, peel, or become brittle.

CEL-O-GLASS cannot rust; 3 feet wide. **Per running foot, 45c.**

VIMLITE—The flexible health glass, reinforced with wire. Ultra-Violet Rays free when you use Vimlite. The most convenient and economical window material. For poultry houses, hotbeds, etc. 3 feet wide. **Price, 40c per running foot.**

PRATT'S POULTRY REGULATOR

25c and 50c sizes.

12 lbs.	$1.40
25-lb. bucket	2.50
100-lb. drum	8.50

PRATT'S LICE KILLER

(Powdered Form)

Package 25c, 50c

PRATT'S DIP AND DISINFECTANT

Quart 60c, gallon $1.60

PRATT'S ROUP TABLETS

25c and 50c sizes

DON SUNG (Chinese)

Laying Tablets for Winter Eggs

Package 50c and $1.00

CONKEY'S Y-O

1 lb. 50c, 2 lbs. 90c, 5 lbs. $1.60

CONKEY'S DIATEX

25c and 50c sizes

PRATT'S WORM TABLETS

50c and 75c sizes

GROUP-OVER

For treatment of Roup, Canker, and Colds in Poultry.

Price 50c.

AVICOL

For treating White Diarrhoea and Cholrea.

Price 50c

WALKO

For white diarrhoea, roup and cholera. **Prices 50c and $1.00.**

DRY MASH HOPPER

The Most Sanitary Anti-Clog Dry-Food Hopper manufactured.

Prices

12 in. 12 qt.	$1.70
24 in. 24 qt.	2.40

Parcel Post Weight

12 qt.	6 lbs.
24 qt.	10 lbs.

Hopper Closed

DR. HESS POULTRY PAN-A-MIN

makes poultry healthy; makes hens lay; not a stimulant, but a tonic, that tones up the dormant egg organs, brings back the scratch and cackle, and compels each hen to put her share of eggs in the market basket.

It also contains internal antiseptics that counter-act disease; insures a healthy, singing poultry flock.

600 Hen Size (100-lb. drum)	$8.50
150 Hen Size (25-lb. pkg.)	2.50
90 Hen Size (15-lb. pkg)	1.75
40 Hen Size (7-lb. pkg.)	.85
20 Hen Size (3-lb. pkg.)	.45

CONKEY'S BUTTERMILK STARTING FOOD FOR BABY CHICKS

5-lb., 10-lb., 25-lb. and 100-lb. bags. Also Growing Mash put up in 100-lb. bags. Prices on application.

PENNOID RUBBER ROOFING

For Your Poultry House

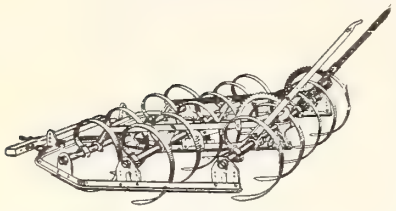
Medium, 108 sq. ft., per roll	$2.00
Heavy, 108 sq. ft., per roll	2.25

STORMTITE ROOFING

Medium, 108 sq. ft., per roll	$1.75
Sheathing Paper, per roll	1.00
Kure-a-Leke Roof Paint, per gal	1.00

Oliver Plows, Harrows, and Rollers

OLIVER SPRING-TOOTH HARROW



The Oliver Spring-Tooth Harrow thoroughly stirs the soil in seed bed preparations, destroys the weeds when used for cultivating purposes and provides a rapid and effective means of summer fallowing. It has good clearance and the teeth are arranged so that trailing of the teeth is impossible. It is strong and durable to stand work in rough land or in other conditions where harrowing is difficult.

P. B. 2-section, 15 teeth $22.50
P. B. 2-section, 17 teeth 24.00

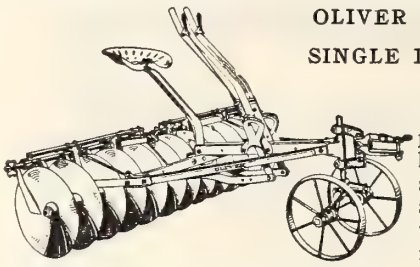
OLIVER ALL-STEEL SPIKE-TOOTH HARROWS

A spike-tooth Harrow with lever up. A smooth-hinged Harrow with lever down. Made entirely of steel.

"UBC" Series—Closed End—U-Bar Lever Harrow with 9/16-inch Teeth—5-Bar

1-Section, 25 teeth $10.25
2-Section, 50 teeth 18.00
2-Section, 60 teeth 21.00

OLIVER "HDH" SERIES SINGLE DISC HARROWS



Complete with blued protected round discs, hard oil cups, rigid scrapers, evener, seat and rigid pole. No weight pans, fore-carriage, or neckyoke.

"DH" 8x16 Disc Harrow, with Pole $42.00
"DH" 8x16 Disc Harrow, Fore-Truck 50.00
"DH" 10x18 Disc Harrow, Fore-Truck 56.00

STEEL LAND ROLLER

3 sections, 8-foot, $38.00

BROWN GARDENER'S HARROW

Made in one section. Contains 30 and 24 teeth. It has no equal as a tool for market gardeners. Designed to be used for one horse, and is easily handled in small garden plots. The Harrow is strong and durable and is furnished with runners for transportation.

25-tooth Harrow, cuts 3 feet 8 inches wide $10.00
32-tooth Harrow, cuts 4 feet 6 inches wide 11.00
40-tooth Harrow, double hinge 16.00

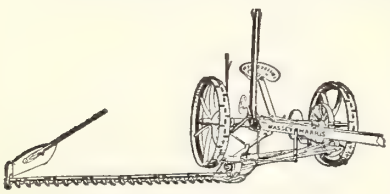
STEEL BEAM PLOW

N. AC-2	$10.50
No. 10	15.00
No. 13	16.00
No. 19	19.50
No. 20	21.00
No. 40	24.00
Jointers, complete	4.95

	Share.	Landslide.	Mouldboard.
No. 13	$ .50	$ .85	$2.70
No. 19	.55	.90	2.95
No. 20	.60	.95	3.10
No. 40	.65	1.00	3.40
Wheels			2.20

Agents for Genuine Oliver Chilled Plows and Harrows.

MASSEY-HARRIS MOWERS AND RAKES



MASSEY-HARRIS No. 11 ONE-HORSE MOWER

Just the Machine for Small Farms, Parks, Lawns, and Golf Courses.

Price, $80.00.

Built in the vertical lift style in one size—3½ feet.

MASSEY-HARRIS No. 20—4½ and 5-foot Cuts.

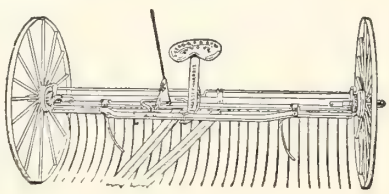
$82.00 and $83.00.

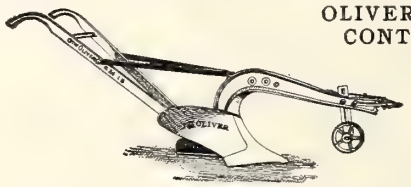
Width of Tread 47⅝ ins. Wheels, 31½ ins. Face of Wheel 3½ ins.

MASSEY-HARRIS STEEL HAY RAKE

Built in 8-foot, 9-foot, 10½-foot, and 12-foot sizes, each of which is supplied with a combination thills and pole.

8-foot $42.00
9-foot 44.00
10½-foot 46.00
12-foot 58.00





OLIVER No. 24 IRON-BEAM CONTRACTORS' PLOW

Strong, heavy; furnished with either cast or steel cutter shares, with draft iron running from clevis to beam; with wheel jointer or hanging coulter as desired. Right hand only.

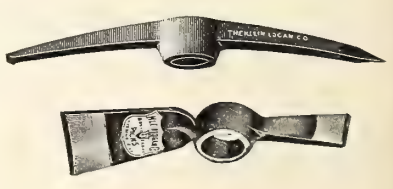
Oliver price, **plain, $30.00; with wheels, $32.50.** These prices include one extra share.

PICKS, MATTOCKS, AND GRUB HOES

No. 1—6 to 7, 7 to 8, and 8 to 9 pounds. Best quality warranted steel Railroad Picks, **$1.00.**

No. 1—5-lb. Best quality Warranted Steel Mattock. **$1.00.**

Nos. 1 and 2—Warranted Steel Grub Hoes, each, **$1.00.**

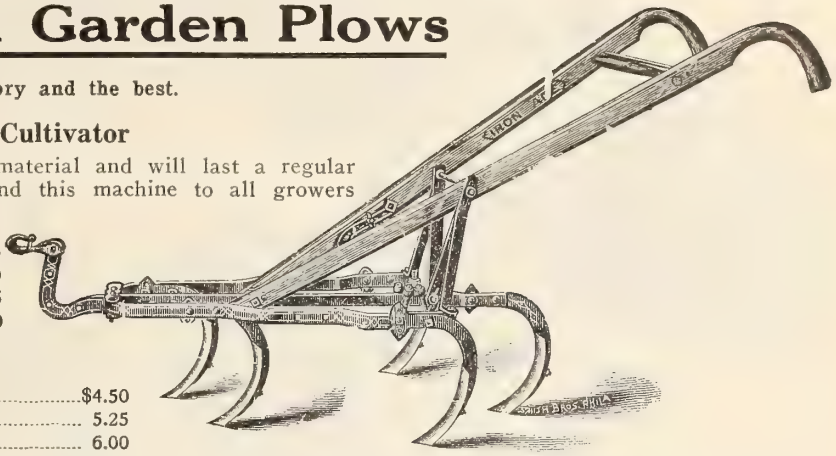


Cultivators and Garden Plows

These Tools are well known to be most satisfactory and the best.

No. 100—Planet Jr. Plain Cultivator

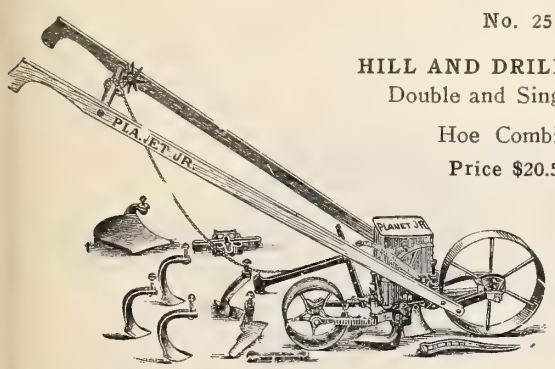
No. 100—It is carefully built of the very best material and will last a regular "Planet Jr." lifetime. We unhesitatingly recommend this machine to all growers working crops on light, sandy soils.



No. 100—Price as in cut	$8.35
With Plain Wheel, add	1.60
With Lever Expander, add	1.75
With Horse Hoe and Sweep, add	2.50

MALTA SHOVEL PLOWS

Single Shovel Plows	$4.50
Double Shovel Plows	5.25
Triple Shovel Plows	6.00



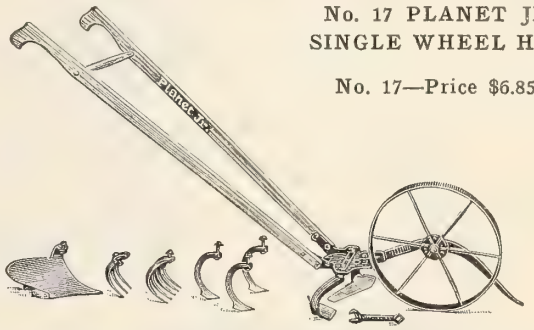
No. 25

HILL AND DRILL SEEDER

Double and Single Wheel Hoe Combined

Price $20.50

Known by thousands of users as the "Complete Gardener." Sows all vegetable seed in the drill and drops in hills 2, 6, 8, 12, and 24 inches apart, at the right depth and thickness and economically. As a Double Wheel Hoe it straddles the row, cultivating both sides at one time until the plants are 20 inches high. When used as a Single Wheel Hoe it does very effective cultivating on one side of each row and in between rows. Cultivating attachments consist of 1 pair of plows, 1 pair of 6-inch hoes, 4 steel cultivator teeth, and a pair of leaf lifters.

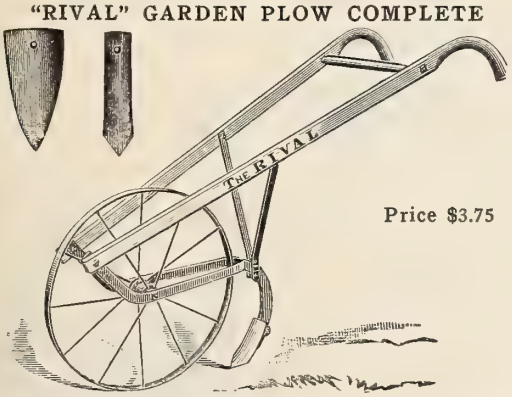


No. 17 PLANET JR. SINGLE WHEEL HOE

No. 17—Price $6.85

The No. 17 Single Wheel Hoe will do about the same variety of work as No. 12 Double, but is wider. Thousands of Market Gardeners and Home Gardeners buy them every year and there are more of them in use than any other tool of this kind. Equipment: 1 Garden Plow, 3 steel cultivator teeth, 1 pair of 6-inch hoes. The No. 17 will do practically all the work mentioned under the No. 12, and will do in one day work that would require several days with the old-style hand hoe.

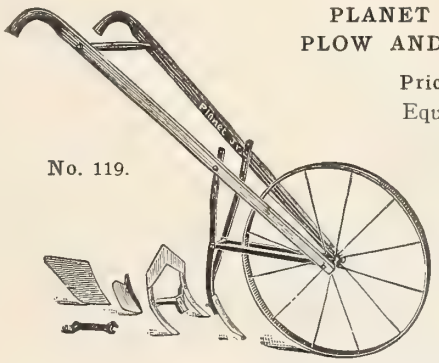
"RIVAL" GARDEN PLOW COMPLETE



Price $3.75

No. 18 PLANET JR. SINGLE WHEEL HOE

The simplest equipment we offer and the cheapest for the work it does. It hoes completely all the space between 12 and 14-inch rows. It can be so changed that it can be used to cultivate both sides of a row, while the plants are small. **Price $5.25.**



No. 119.

PLANET JR. GARDEN PLOW AND CULTIVATOR

Price, $4.00

Equipment:

One 1¼-inch cultivating tooth.

One 4-inch cultivating tooth.

One plow.

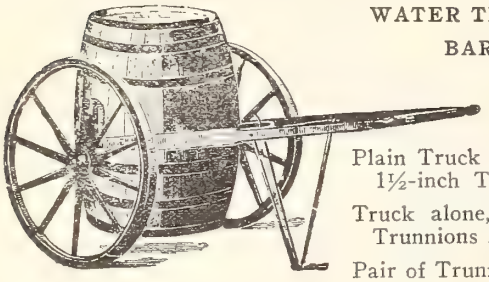
One reversible scuffle blade.

We can also furnish a special double mouldboard plow which can be used on this machine. Weight 16½ pounds; 24-inch Steel Wheel, 1½-inch rim.

FIRE FLY GARDEN PLOW—Price $4.00

Water Truck, Grindstone, Mail Box

WATER TRUCK AND BARREL

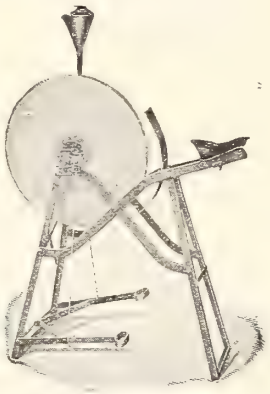


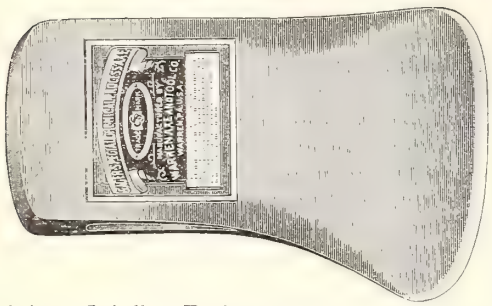
Plain Truck and Barrel, 1½-inch Tires.....$17.00
Truck alone, 1 pair Trunnions 13.00
Pair of Trunnions alone.. .90

CYCLE BALL-BEARING STEEL-FRAME GRINDSTONE

R. W. Cycle Ball-Bearing Steel-Frame Grindstone is one of the strongest built, and is practically indestructible.

Price $8.50
Loose Grindstones, 30 to 60 lbs.
Price per lb..... .05





KELLY AXES

Our axes are of best quality. We only sell those we know to be first class, and have an established reputation.

Kelly Single Bit—4 to 4½ lbs., 4 to 5 lbs., 4½ to 5½ lbs. Each.....$1.25
Kelly Single Bit Axes—Handled..... 1.75

CORN BASKETS

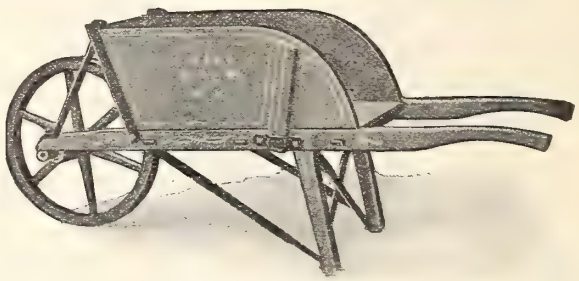
1-Bushel Basket Rope Handle

Iron Straps like cut $1.25

1-bushel Rattan Basket, plain.....$1.00
1½-bushel Rattan Basket, plain..... 1.25
2-bushel Rattan Basket, plain..... 1.50
3-bushel Rattan Basket, plain..... 2.25
1-bushel Rattan Basket, iron strap..... 1.25
1½-bushel Rattan Basket, iron strap..... 1.50
2-bushel Rattan Basket, iron strap..... 1.75

Special price on dozen lots.

BUCH'S GARDEN BARROWS



No. 1—Large Garden Barrow.....$8.50
No. 3—Medium Garden Barrow..... 6.50
No. 4—Boys' Barrow..... 4.50

GREENHOUSE BARROW

No. 67—Painted Green. A barrow for greenhouses with narrow aisles. Body—31 inches long, 18 inches wide at back, 15 inches wide at front. Weight, 50 lbs. Steel wheel—20 inches in diameter, 2-inch tire. Sell **$8.50 each.**

RURAL MAIL LARGE SIZE

Price $2.75 each.

VIGORO

Junior Spreader
14 inch Hopper.....$5.45

LAWNETTE

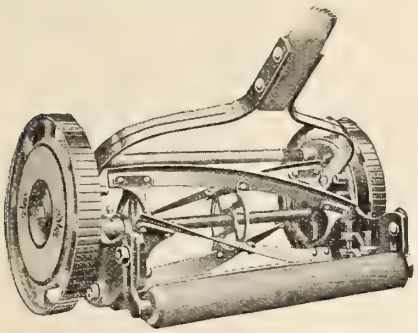
This AMAZING NEW INVENTION is as necessary as the lawn mower. Every home owner needs the **LAWNETTE.** It avoids the drudgery, the messiness, the uncertainty of hand application of seeds and plant foods.

The LAWNETTE spreads **quickly and uniformly,** in any quantity desired, all grass seeds, plant foods and chemical powders now used in developing and maintaining **nice velvety lawns.**

$7.50

Lawn Mowers and Hedge Shears

COLDWELL'S IMPERIAL HIGH WHEEL LAWN MOWERS



14-inch High Wheel Mower	$15.75
16-inch High Wheel Mower	16.75
18-inch High Wheel Mower	17.50
20-inch High Wheel Mower	19.25

LAKEWOOD LAWN MOWERS

Bearings—High grade balls and cone; adjustable.
Wheels—9 inches, solid style, eight spokes.
The best all-around ball-bearing mower to be had at a moderate price.

14-inch Cut.....$9.50 16-inch Cut.....$10.00

NEW YORKER BALL BEARING LAWN MOWER

14-inch Cut. Each.....$5.50

DERBY BALL-BEARING HIGH-WHEEL LAWN MOWER

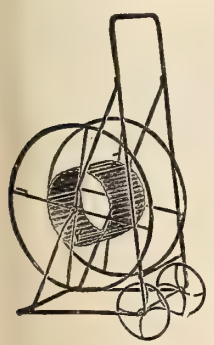
The increased height of the wheels is made to meet the popular demand for a wheel larger than the regulation size at the lowest possible cost. It has open cylinder, cast-steel hardened and tempered cutting knives, improved ratchet and good adjustment.

12-inch.....$9.50 14-inch.....$10.00 16-inch.....$10.50

ORIOLE LAWN MOWERS

Ball-Bearing, high wheel, light-running Mower at a moderate price.

12-inch cut, price	$6.75
14-inch cut, price	7.00



STEEL HOSE REEL

Price, each, $2.00

GARDEN HOSE

⅝-inch, 25-foot lengths	$3.00
⅝-inch, 50-foot lengths	6.00

Couplings, per set 20c

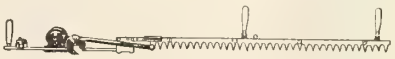
BOSTON SPRAY NOZZLE

Heavy cast brass nozzle, giving spray, straight stream, and positive shut-off Spray formed in barrel of nozzle, and full circle-spray guaranteed. Price.....60c

GARDEN HOSE AND SPRINKLERS

⅜-inch Oriole Spray Hose, cut lengths, per ft	$ .20
Steel Hose Reels	2.00
Brass Spray Nozzles	.60
Brass Ring Lawn Sprinkler	.75
Rose Sprinkler (Fig. 17)	.40
Rain King Lawn Sprinkler	3.00

THE "LITTLE WONDER" HEDGE TRIMMERS—HAND AND ELECTRIC MODELS



	Hand-driven	Electric
30 in. size Hedge Trimmer	$25.00	$103.00
40 in. size Hedge Trimmer	27.50	106.50
60 in. size Hedge Trimmer	35.00	114.00
Side Cutting Carriage for Hedge Trimmers		4.50
Lawn Clipper Attachment for Hedge Trimmers		18.00
30 in. size Lawn Weed Clipper, complete		35.00
40 in. size Lawn Weed Clipper, complete		40.00

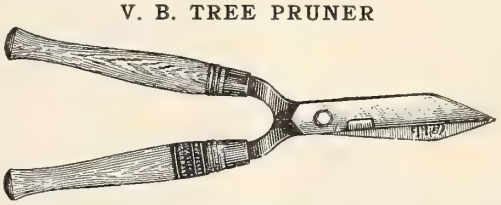
PRUNING SHEARS—75c to $2.00 each.
PRUNING SAWS—$1.50 to $2.50 each.
GARDEN TROWELS—20c to 75c each.
NORCROSS WEEDER—The best tool for garden. 5-tine, 75c each.

PRUNING SHEAR

This Shear has a positive draw or sliding cut. The hook and blade are made from solid tool steel and firmly held together by a bolt with lock nut.

No. 5402—24-inch, each.....$3.25

V. B. TREE PRUNER



No. V30—26 inches overall. With lock nut. Special heavy forged. Notched blade. Selected ash handles.
Price, each.....$2.75

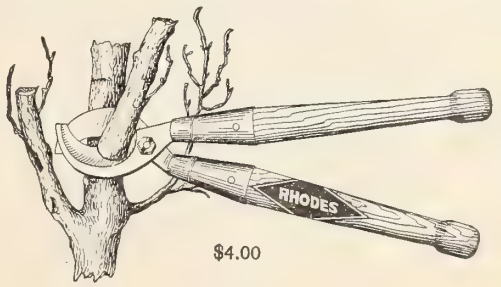
HEDGE SHEARS

Ladies' Hedge Shears, 6-inch V. B.	$1.25
8-inch Hedge Shears (Notched)	2.25
9-inch Hedge Shears (Notched)	2.50
10-inch Hedge Shears (Notched)	2.75

WISS HEDGE SHEARS

6½-inch, pair	$2.00
8-inch, pair	2.50
9-inch, pair	3.00
10-inch, pair	3.25

RHODES DOUBLE-CUT LOPPING SHEARS



$4.00

Witt Cans

No. 1—Capacity 20 gallons, each.....$3.50
No. 2—Capacity 27 gallons, each..... 4.25
No. 3—Capacity 33 gallons, each..... 5.00

WITT PAILS

No. 7—Capacity 5 gallons, each.....$1.50
No. 8—Capacity 6½ gallons, each..... 1.65
No. 9—Capacity 8¼ gallons, each..... 1.90
No. 9½ Can—Capacity 10 gallons, each..... 2.25
No. 10 Can—Capacity 12¼ gallons, each..... 2.50

POT AND TREE LABELS—PAINTED

3½-inch Painted Tree Labels with wire

100 35c, 500 $1.50, 1,000 $2.50

6 in. Pot Labels, 100 45c, 1000 $3.00

REDDICK MOLE TRAPS

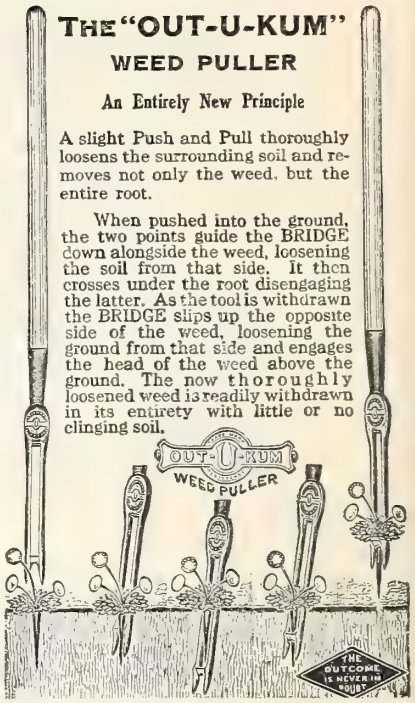
The Mole causes great loss and annoyance to the growers and market gardeners. One Mole can cause the loss of an entire seed bed in a few hours. One Mole Trap will catch and destroy them. We guarantee them to work satisfactorily. Price, each, 90c

THE "OUT-U-KUM" WEED PULLER

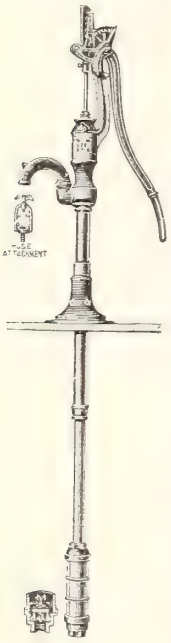
An Entirely New Principle

A slight Push and Pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root.

When pushed into the ground, the two points guide the BRIDGE down alongside the weed, loosening the soil from that side. It then crosses under the root disengaging the latter. As the tool is withdrawn the BRIDGE slips up the opposite side of the weed, loosening the ground from that side and engages the head of the weed above the ground. The now thoroughly loosened weed is readily withdrawn in its entirety with little or no clinging soil.



Price, 75c each.



MYERS WELL PUMPS

No. 1052 Myers Cog Gear Lift Pump—Brass lined cylinder, glass valve seat. Capacity 400 gallons per hour. **Price $11.50.**

No. 1072 Myers Cog Gear Single-Acting Force Pump—3-inch brass lined cylinder, glass valve seat. Capacity 400 gallons per hour. Price $13.00.

No. 5 Myers 3-Way Windmill Head Double-Acting Force Pump—3x12-inch brass lined cylinder. Capacity 440 gallons per hour. Price $20.75.

1¼-Inch Galvanized Pipe—Per foot 20c.

⅜-inch Galvanized Rod—Per foot 5c.

1¼-Inch Foot Valve—Each $1.25.

We carry repairs in stock for these pumps.

In ordering a pump give us exact distance from platform to bottom of well; also the number of feet of water in well.

BUCKEYE WOOD PUMPS

Porcelain Lined—Are Recommended as the Best and Most Satisfactory in All Cases

No. 0 STOCK PUMPS

7-in. square, 4-in. bore, porcelain lined, 6 ft.....$12.75

No. 1 FAVORITE HOUSE PUMPS

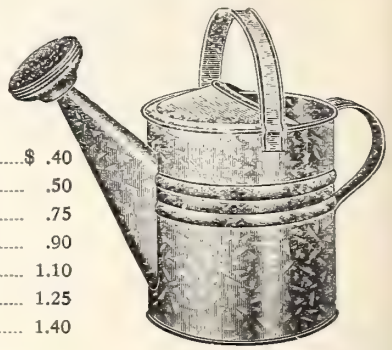
6-in. square, 3½-in. bore, porcelain lined, 6 ft.....$10.50

IMPROVED CLOSED-TOP PITCHER-SPOUT PUMP

Price, No. 2.....$2.75 Price, No. 3.....$3.00

Brass Jacket Drive Well Points..... 2.25

SPRINKLER



No. 42—2 qt. can, each.....$ .40
No. 44—4 qt. can, each..... .50
No. 216—6 qt. can, each..... .75
No. 218—8 qt. can, each..... .90
No. 220—10 qt. can, each..... 1.10
No. 222—12 qt. can, each..... 1.25
No. 226—16 qt. can, each..... 1.40

MORE HANDY TRUCK

Adopt the New Way—Save Your Back

Wheel the ashes and rubbish from cellar to curb and keep the steps, walk and yourself free from dust and dirt. Solve your ash day problem.

Price, each $2.50

WELL BUCKETS, CHAINS, AND WHEELS

Crown Well Bucket (wood), each..... 1.00
Galvanized Well Bucket, each..... .90
Well Wheels, each..... 1.10
Galvanized Well Chain, per foot..... .05

Wire Fence, Posts, Gates, and Wire Stretchers

From TOP to BOTTOM a BETTER POST
Can't-Sag Steel Posts with Wedge Studded Tees drive quickly and easily. No holes to dig.
No bother setting. Drive 300 a day. Never break, bend, burn or rot. Outlast the best fence.
1
2
3

"Can't-Sag" Studded Tee Posts

—are the only ones having these three great improvements.

1. Easy Driving Wedge Studded Tee.
2. Balanced Corrugated Anchor Plate.
3. Re-enforcing Collar formed by hot-set Anchor Plate applied under terrific pressure.

No holes punched in post. Extra large Anchor Plate grips "tee" over 3 in. on each side—no rivets used. Balanced Anchor Plate makes it easy to drive posts straight. Come in and see this better fence post.

"Can't-Sag" Studded Tee Fence Posts

No. 200, 5-ft. Steel Posts, each 45c

No. 260, 6-ft. Steel Posts, each 55c

No. 265, 7-ft. Steel Posts, each 60c

No. 270, 7½-ft. Steel Posts, each 70c

"CAN'T-SAG" BOARD GATES

52 inches high, 12-foot opening; painted. Complete, price....$9.00
Boards in gate 6 in. wide.

CORNER, END, AND GATE POSTS

No. 24—End, 7-foot 8-inch Post.....$3.50
No. 27—Corner, 7-foot 8-inch Post..... 6.00

AMERICAN FARM FENCE

	Per Rod
No. 726X12 Hog Fence, Spec. No. 12½	$ .35
No. 726X12 Hog Fence, Spec. No. 11	.45
No. 832X12 Hog Fence, Spec. No. 11	.45
No. 845X12 Stock Fence, Spec. No. 11	.45
No. 1047X12 Stock Fence, Spec. No. 12½	.40
No. 949X12 Stock Fence, Spec. No. 11	.50

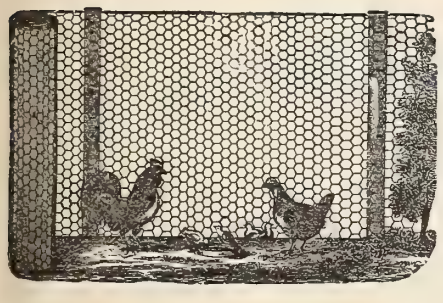
BARBED WIRE

Cattle Wire—6 inches between barbs; 80 rods.....$3.50
Hog Wire—4 inches between barbs; 80 rods..... 3.75

TOWNSEND WIRE STRETCHER—Price $1.75.

LOTT STRETCHER—Clamp Bars made of reinforced with half-oval iron to keep wire from slipping. Lott Stretcher furnished complete except lever. Use for this purpose an old piece of pipe or level cut from wood. Price.....$9.00

Poultry Netting and Lawn Fence



GALVANIZED POULTRY NETTING FOR ENCLOSING POULTRY YARDS

The Wire we offer is all Nos. 19 and 20 double twist, 2-inch mesh, thoroughly galvanized after weaving. Sold in bales of 150 running feet.

	Width.	Sq. Ft.	Per B.
No. 20	12x1 inch	150	$2.50
No. 20	18x1 inch	225	3.25
No. 20	24x1 inch	300	4.00
No. 20	30x1 inch	375	4.75
No. 20	36x1 inch	450	5.50
No. 20	48x1 inch	600	7.00

	Width.	Sq. Ft.	Per B.
No. 20	12x2 inch	150	$1.10
No. 20	18x2 inch	225	1.55
No. 20	24x2 inch	300	1.90
No. 20	36x2 inch	450	2.50
No. 20	48x2 inch	600	3.25
No. 20	60x2 inch	750	4.00
No. 20	72x2 inch	900	4.75

Special price in large quantity. Price 2x20 nettings 1c per sq. ft. in less than bale lots.
Staples for fastening, 10c per lb. 1x20 nettings 2c per sq. ft. less than bale lots.

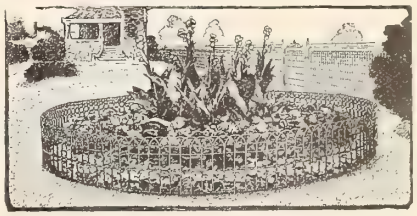
ORNAMENTAL WALK GATES

Height	3-Foot Opening	3½ Feet
36 inch	$3.50	$3.75
42 inch	3.75	4.00
48 inch	4.00	4.25

ORNAMENTAL DOUBLE DRIVE GATES

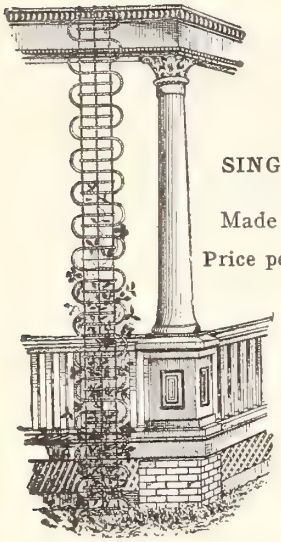
Height	8-Foot Opening	10 Feet
36 inch	$9.00	$10.00
42 inch	9.50	10.50

All gates have ornamental tops.



Flower Guard. Height 22 inches. Price, 9c per foot. Special prices in large quantities.

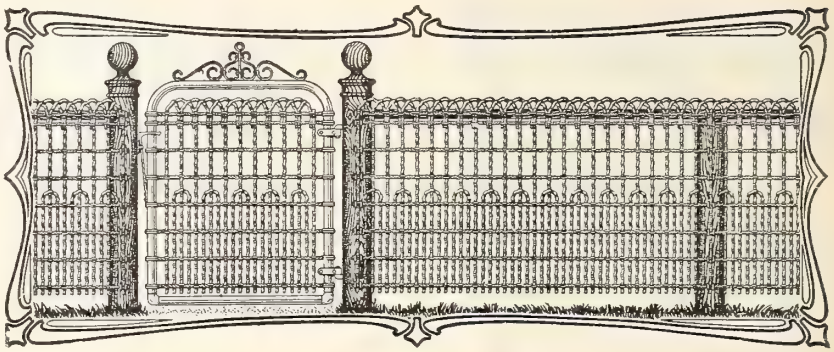
Poultry Netting and Lawn Fence—*Continued*



SINGLE TRELLIS

Made 18 inches wide

Price per running ft. 9c.

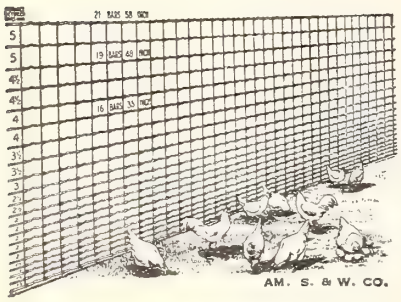


CYCLONE LAWN AND GARDEN FENCE

36-inch, Style F—Per foot.....10c
42-inch, Style F—Per foot.....12c
48-inch, Style F—Per foot.....14c

GIBBS POST HOLE DIGGER

Price, each $2.50



AMERICAN POULTRY, GARDEN, AND RABBIT FENCE

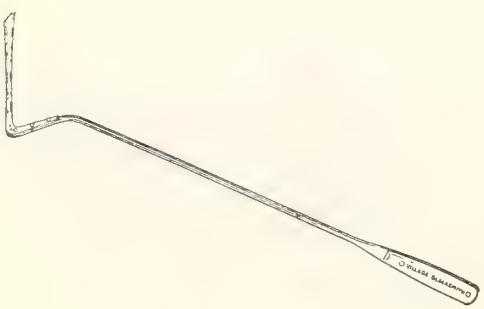
Designs 2158 and 1948

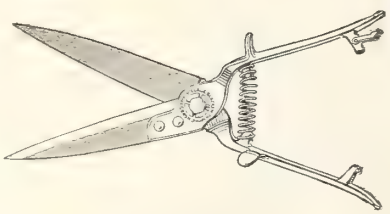
10-Rod Roll No. 1948 Fence. Price.....$ 5.75
20-Rod Roll No. 1948 Fence. Price..... 11.00
10-Rod Roll No. 2158 Fence. Price..... 6.25
20-Rod Roll No. 2158 Fence. Price..... 12.00

Garden Tools

GRASWIP

The new double edged grass and weed cutter that does away with tiresome stooping. Use it—swing freely and note how rapidly the double edged blade cuts on both the forward and backward stroke. Made of forged tool steel. Price $1.25.

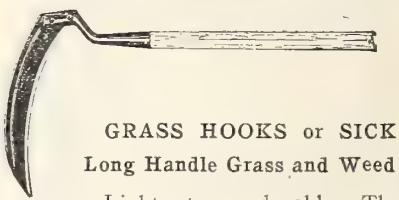




GRASS SHEARS

Here is a tool that will cut grass easier than a shear. Built like hair cutters. Blades are forged steel, warranted. Handle is malleable, will not break.

Price 85c



GRASS HOOKS or SICKLES

Long Handle Grass and Weed Sickle

Light, strong, durable. The blade 13 in. long, 2¼ in. wide at the heel, is made of crucible steel, oil tempered and sharpened to a razor edge.

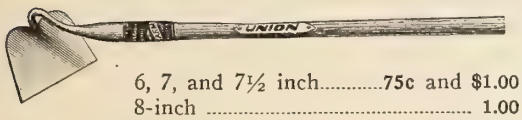
Price, $1.25

Price 50c and 60c

Garden Tools and Scythes

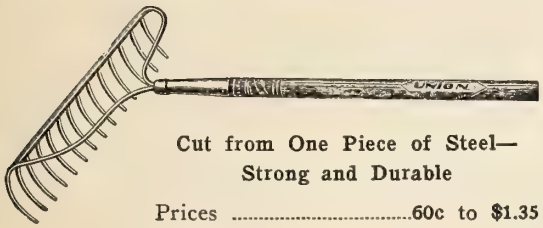
GARDEN HOE

Sizes for Boys, Ladies, and Men



6, 7, and 7½ inch.....75c and $1.00
8-inch 1.00

STEEL GARDEN RAKES



Cut from One Piece of Steel—Strong and Durable

Prices .....60c to $1.35

SCYTHE STONES

English Round, each.....30c
Darby Creek, each.....20c

HAND PRUNING SHEARS

No. V186—6 inch, price.....$1.00
No. V100—9 inch, price..... 1.50
No. V188—8 inch, price..... 1.60
No. V189—9 inch, price..... 1.75

WIRE WICKETS

Painted Green

¼ x 22 inches.....10c each, 90c doz.
5/16 x 24 inches.....12c each, $1.35 doz.

SCYTHES

English Blades, each $2.75
American Blades, each..... 1.75

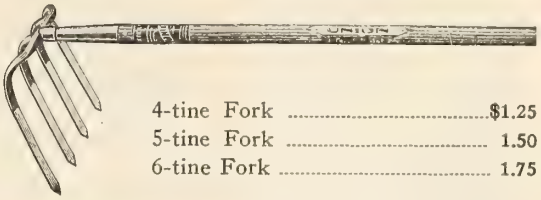
DIBBLES

For Transplanting

Each .....60c and 75c

TURF EDGERS—Each.....$1.25

POTATO DRAG or HOE



4-tine Fork $1.25
5-tine Fork 1.50
6-tine Fork 1.75

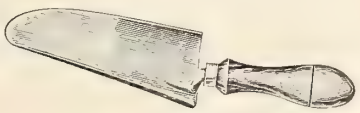
STEEL BRUME RAKE

Spring steel teeth; will remove the smallest leaves and litter. **Price,** 90c each.

SPADING FORK

Price, each .....$1.00, $1.50 and $2.50

TROWELS



Steel Garden Trowels.
Each .....50c and 75c

Galvanized Trowels.
Each 25c

ASPARAGUS KNIFE

This knife makes a fine weeder as well.

Price.....50c and 60c

JAPANESE BROOM RAKE

A general outdoor broom for lawns, gravel paths and gardens; is a practical necessity for every residence. The Broom Rake is a strong and durable tool, designed for clean work and hard service. Price.....40c

The Hoover Rake makes a clean sweep 20 inches wide with a motion similar to that used in sweeping with a broom and is very highly recommended by Park Boards and Cemetery Caretakers, some claiming to save 50 per cent in raking costs.

Price, each .....$ 1.00
Dozen 10.00

Gator-Hide Mulch Paper

Discounts on large orders on quotation.

Trial rolls containing 45 ft. **Type B Mulch Paper,** 18 in. wide. **Roll, 50c each.**

Type.	Width.	Length.	Sq. Ft.	Per Roll.
A—Light Weight	18 inch	900 feet	1350	$2.50
	36 inch	900 feet	2700	5.00
B—Heavy Weight	18 inch	450 feet	675	2.50
	36 inch	450 feet	1350	5.00

Contents—1934 Garden Book

VEGETABLE SEED

	Page
Asparagus	3
Beans, Bush	2, 4
Wax	5
Pole	4, 5
Lima	2, 5
Beets, Table	6
Cattle	6
Broccoli	7
Brussels Sprouts	9
Cabbage	7, 8
Cantaloupe	3, 13
Carrot	8
Cauliflower	10
Celeriac	9
Celery	9
Chicory	9
Collards, Georgia	9
Corn Salad	9
Corn, Sugar	2, 11
Cress	8
Cucumber	2, 10
Dandelion	9
Egg Plant	10
Endive	11
Herbs	17
Kale	11
Kohl Rabi	11
Leek	12
Lettuce	2, 12
Mustard	12
Okra	14
Onion	14
Onion Sets	14
Parsley	14
Parsnip	14
Peas	2, 16
Pepper	15
Potatoes	15
Pumpkins	15
Radish	17
Rhubarb	17
Salsify	18
Spinach	18
Squash	18
Swiss Chard	6
Tomato	3, 19
Turnip	19
Watermelon	13

FLOWER SEEDS
Pages 20 to 23

FLOWERING SHRUBS
Pages 26, 27

FIELD SEEDS
Pages 29 to 31

LAWN SEEDS
Inside Back Cover Page

BULBS, PLANTS AND ROOTS

	Page
Asparagus Roots	3
Caladiums	23
Cannas	23
Dahlias	23
Gladiolus	24
Grape Vines	27
Rhubarb Roots	17
Roses....Back Cover Page,	28
Strawberry Plants	27
Tuberoses	23
Vegetable Plants	8

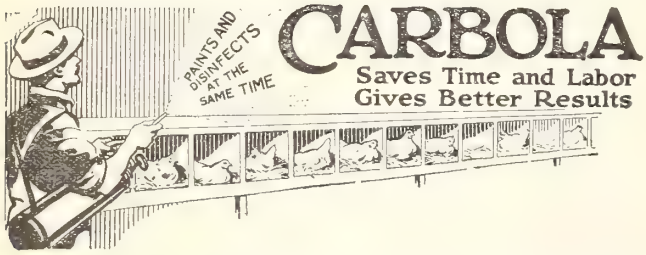
NURSERY STOCK
Pages 26, 27

HORTICULTURAL AND DAIRY SUPPLIES

	Page
Ash Cans	44
Asparagus Knives	3, 47
Axes	42
Barrows, Garden	42
Greenhouse	42
Boxes, Flower	32
Bag Balm	38
Balls, Ox	48
Baskets	42
Baughgro	3, 32
Brooder, Putnam	37
B/K	38
Buckets	44
Calf Weaner	38
Caponizing Sets	37
Carbola	48
Cel-O-Glass	39
Ceresan	32
Churns	38
Corn Sheller	38, 48
Cultivators	41
Culture	25
Dibbles	47
Edgers, Turf	47
Egg Boxes, Parcel Post	37
Feeders	37, 38, 39
Fence, Lawn	46
Posts	45
Poultry and Rabbit	46
Stretcher	45
Fertilizers	33
Flower Bed Guard	45
Boxes	32
Pots	32
Fork, Spading	47
Fountains	37
Garden Tools	47
Gates	45
Graswip	46
Grass Shears	46
Grass Sickles	46
Grass Hooks	46
Grinder, Tool	48
Grindstone	42
Harrows	40
Hedge Trimmer, Little Wonder	43
Hedge Shears	43
Hoes	40, 47
Hose, Garden	43
Nozzles	43
Reels	43
Insecticides	7, 18, 34, 35
Kow Kare	38
Labels, Pot	44
Tree	44
Lanterns	48
Lawn Mowers	43
Lawn Rollers, Inside Back Cover Page	
Lawn Sprinklers	44
Lawnette Drill and Fertilizer Distributor	42
Mail Boxes, Rural	42
Mattocks	40
Mowers, Horse	40
Netting, Poultry	45
Pails, Witt	44
Paper, Mulch	47
Picks	40
Plant Foods	25
Planter's Guide	1
Plows	40, 41
Posthole Digger	46
Posts, Steel	45
Potato Drag	47
Pruner, Tree	36
Pruning Saws	43
Shears	43, 47
Pump and Well Equipment	44
Rakes, Garden	47
Hay	40
Rings, Bull	48
Roller, Land	40
Roofing, Paper	39
Salt Brick	38
Scythes	47
Scythe Stones	47
Semesan	32
Semesan Bel	32
Semesan Jr.	32
Sprayers	35, 36
Spreader, Vigoro	42
Sprinklers	43, 44
Stoves, Putnam	37
Stretcher, Wire	45
Traps, Mole	44
Trellis Wire	46
Trowels, Garden	43, 47
Truck, More Handy	44
Water	42
Tubs, Plant	32
Vimlite	39
Vise, Clamp	48
Watering Cans	44
Wax, Grafting	34
Weeders	17, 43
Wickets, Wire	47
Wire, Barbed	45

POULTRY SUPPLIES
Pages 37, 38, 39

	Page
Brooders and Incubators	37
Poultry Netting	45



—THE DISINFECTANT THAT PAINTS. Carbola is infinitely superior to lime, which loses what slight disinfecting qualities it ever had by slacking when exposed to the air. Very much better than kalsomine or whitewash because it paints just as clean and bright a white, but will not chip, scale or peel off, no matter how many coats are applied. It may be used on either stone, brick, wood, metal, or cement, and can be put on over a whitewashed or painted surface. It can be applied with either sprayer or brush. **5 lbs. 75c, 10 lbs. $1.25, 50 lbs. $4.50.**

BULL RINGS

2½-inch Copper Rings	$ .50
3-inch Heavy Bull Rings	1.50

OX BALLS

Price, per pair	$ .30

BUCH'S CORN SHELLER No. 3—One Hole

Our No 3 is our highest standard round end sheller. Made of hardwood. Joints mortised and fully bolted. It is strong, rigid, and lasting. The hopper is adjustable and takes almost any sized ear. It cleans the cob of all the grains, deposits the corn from the center, throws the cob out at end, and separates the chaff from the grains with sieve. Weight about 125 pounds. Capacity about 125 bushels per day. **Price** $14.00

MODERN TOOL GRINDER

J-4, 4-in. wheel, price	$2.75
J-5, 5-in. wheel, price	3.25

CLAMP VISE

No. M743, width of jaw 2 in., price	$2.25
No. M744, width of jaw 2¼ in., price	2.50
No. M745, width of jaw 2½ in., price	2.75

DIETZ LANTERNS

Dietz Victor Lantern	$ .75
Dietz Victor Red Lantern	1.00
Dietz Regulation Lantern for Wagons	1.50
Dietz D-Lite Lantern (can't blow out)	1.50
Dietz Little Wizard (can't blow out)	1.10

QUANTITY	ARTICLES WANTED	PRICE	
	Amount Brought Forward		

ORDER FOR SEEDS

— FROM —

P. MANN & CO., Inc.

316 Ninth Street, N. W. Phone NA. 1121

WASHINGTON, D. C.

Messrs. P. MANN & CO., INC., give no warranty, express or implied, as to description, purity, productiveness, or any other matter of any seeds or bulbs they send out; and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

BE SURE TO FILL IN THESE BLANKS

Name_____

Street, P. O. Box, or R. F. D. Number_____

Post Office_____

County_____ State_____

Express or Freight Office_____

Ship Order by_____

AMOUNT ENCLOSED

Postal Money Order..... $_____

Express Money Order.. _____

Draft..... _____

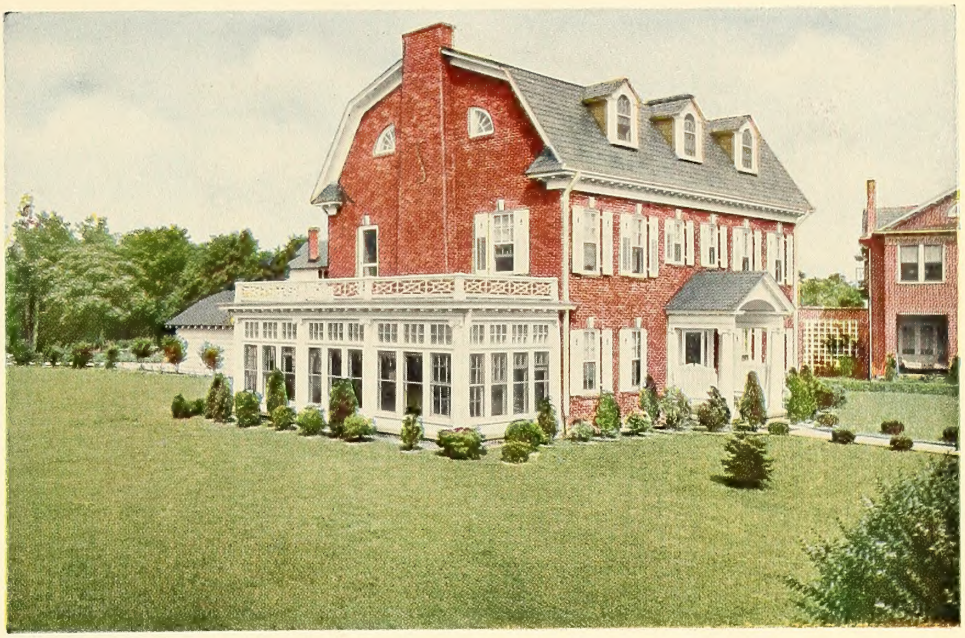
Currency..... _____

Postage Stamps..... _____

Date_____, 19__

QUANTITY	ARTICLES WANTED	PRICE	

SPECIAL GRASSES *for* GOLF COURSES



Mann's Evergreen Lawn Grass

PUT UP BY US AND UNDER OUR OWN FORMULA

FINE LAWNS can only be made by using the best grade of grasses. The proper blending to give satisfactory results needs the study of years. Among some of the most beautiful lawns of Washington and its suburbs are those sown with **"Evergreen" Lawn Grass Seed.**

These seeds should be covered very slightly and a roller run over the ground after sowing. Pound, 35c; 5 pounds, $1.60; 10 pounds, $3.00.

LAWN GRASS FOR SHADY PLACES AND UNDER TREES. A selection of grasses that thrive well in shaded situations, under trees, or close to walls, where there is little sun. Pound, 35c; 5 pounds, $1.60; 10 pounds $3.00.

Lawn and Garden Fertilizer

Old and New Lawns Require Stimulating after the long drag through winter, or in the fall, after the season of cutting and the heat of summer. For this purpose our high-grade Bone Meal is best adapted to the wants of the lawn. It should be sown broadcast from the middle of February to the first of May for spring, and from September to November in the fall. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing the seed. Ten pounds sow enough for 250 square feet. Ten pounds, 50c; 25 pounds, $1.00; 100 pounds, $2.75; 167-pound bag, $4.00.

PULVERIZED SHEEP MANURE FOR LAWNS. Two pounds, 15c; 5 pounds, 30c; 25 pounds, $1.00; 50 pounds, $1.50; 100-lb. bag, $2.50.

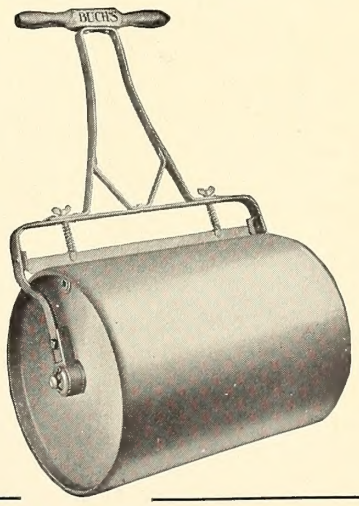
SHREDDED COW MANURE. 25 pound bag, $1.00; 100 pounds, $2.50. Special prices in ton lots.

Water Ballast Lawn Rollers

ADAPTED FOR ROLLING LAWNS, GOLF COURSES AND TENNIS COURTS

No.	Diam. Ins.	Length Ins.	WEIGHT Empty	WEIGHT Filled with Water	WEIGHT Filled with Sand	PRICE
601	14	24	70	175	400	$12.50
602	18	24	85	265	475	15.00
603	24	24	110	420	630	17.50
604	24	32	130	565	850	19.50
605	14	24	68	175	475	10.00
606	18	24	82	265	475	12.50

Nos. 605 and 606 Plain bearing; no scraper.



THE WILLIAM BYRD PRESS, INC.
HORTICULTURAL PRINTERS.
RICHMOND, VA.

Red Radiance.

Etoile de France.

Pink Radiance.

ROSES THAT BLOOM

Two-Year Old Field Grown
Gold Seal Brand Roses

SPECIAL COLLECTION

One Each of the Six Listed in Color for $2.75 Postpaid

Frances Scott Key.

Talisman.

Rev. F. Page Roberts.